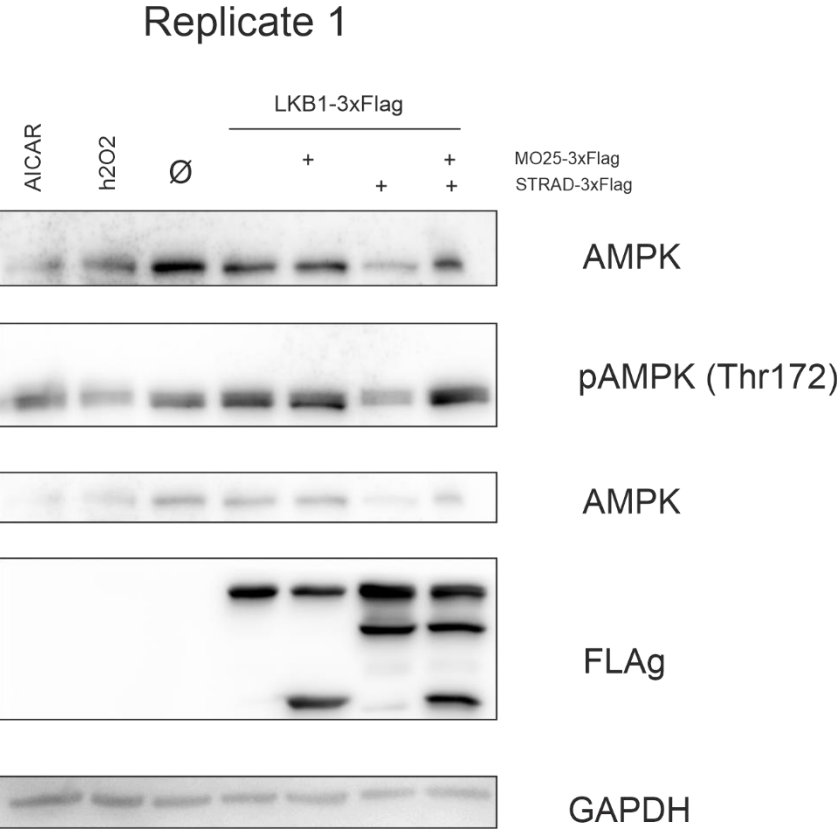


Indicated antibodies have been used (for details see the Materials and Methods section)

Figure 2 Panel D: Impact of LKB1-STRADa-MO25 co-expression of pAMPK/AMPK phosphorylation pattern.

In this panel a representative western blot is shown. The corresponding western blot raw data is enclosed blow:

Replicate 1:



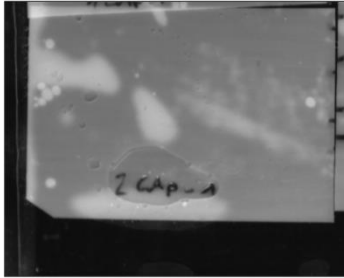


original western blot
GAPDH

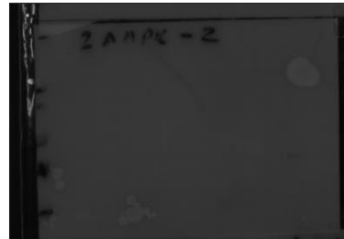


original western blot

AMPK

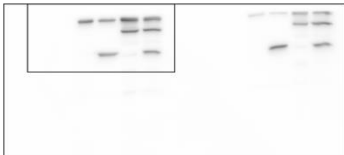


original marker picture
GAPDH



original marker picture

AMPK



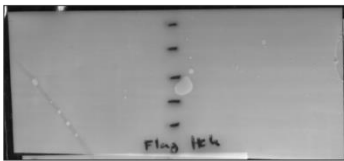
original western blot

Flag

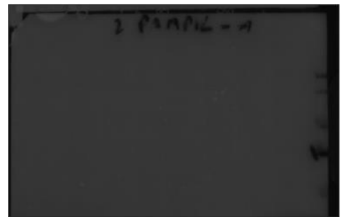


original marker picture

pAMPK (Thr172)



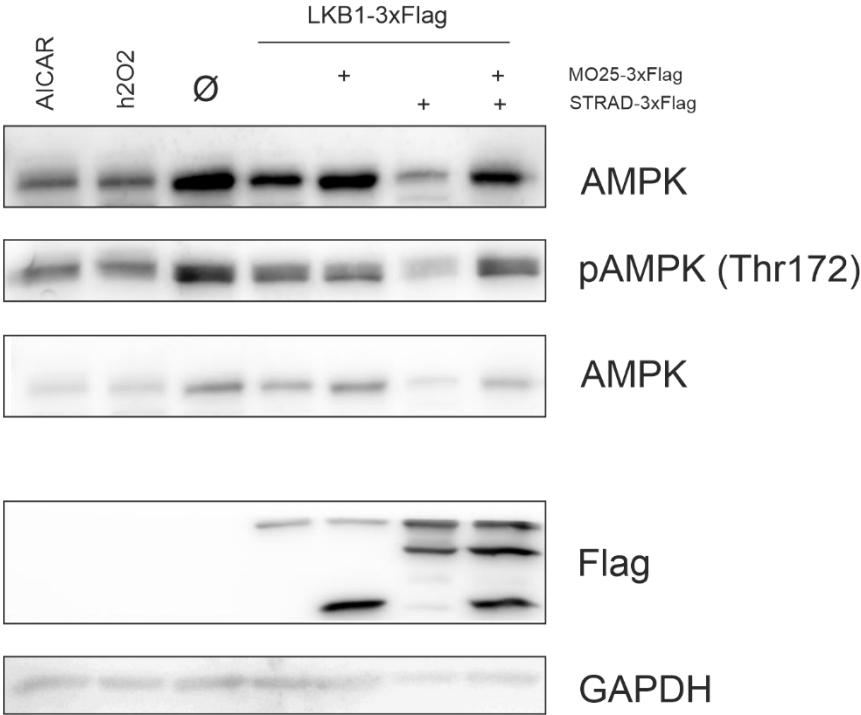
original marker picture
Flag

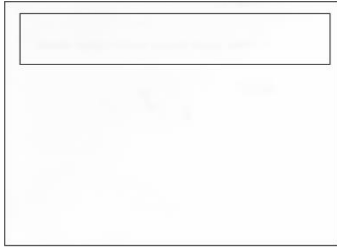


original western blot
pAMPK (Thr172)

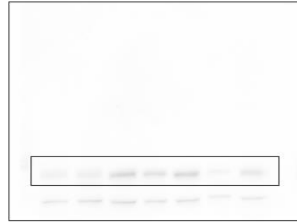
Replicate 2:

Replicate 2



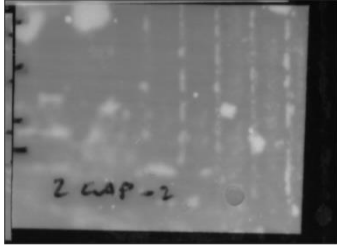


original western blot
GAPDH



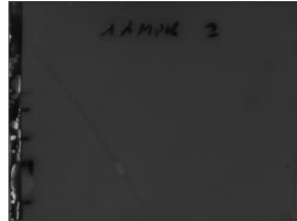
original western blot

AMPK



original marker picture

GAPDH



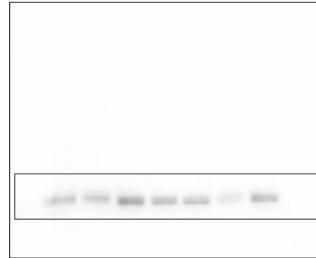
original marker picture

AMPK



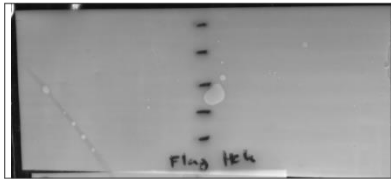
original western blot

Flag



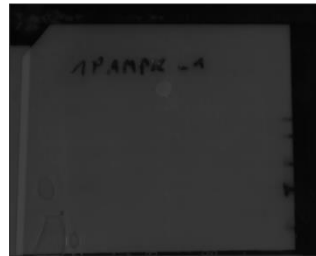
original western blot

pAMPK (Thr172)



original marker picture

Flag

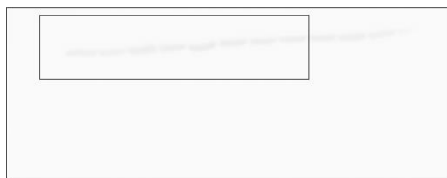
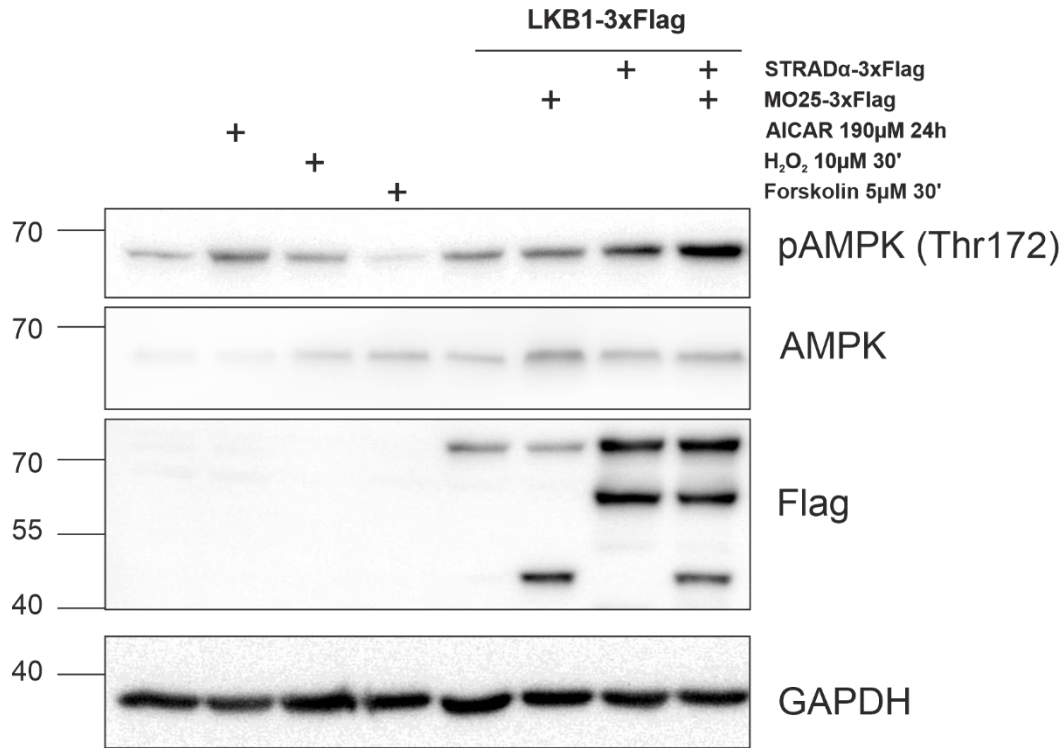


original marker picture

pAMPK (Thr172)

Replicate 3:

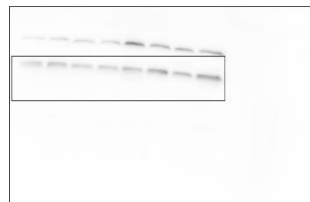
Replicate 3



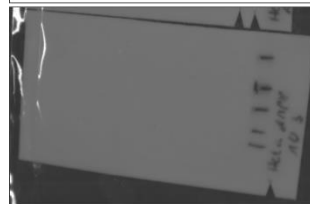
original western blot
GAPDH



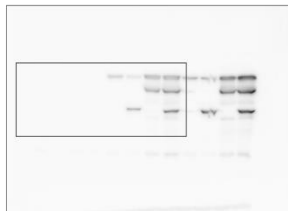
original marker picture
GAPDH



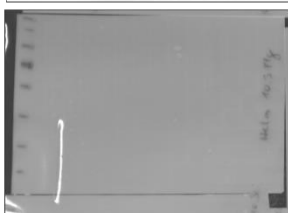
original western blot
AMPK



original marker picture
AMPK



original western blot
Flag



original marker picture
Flag



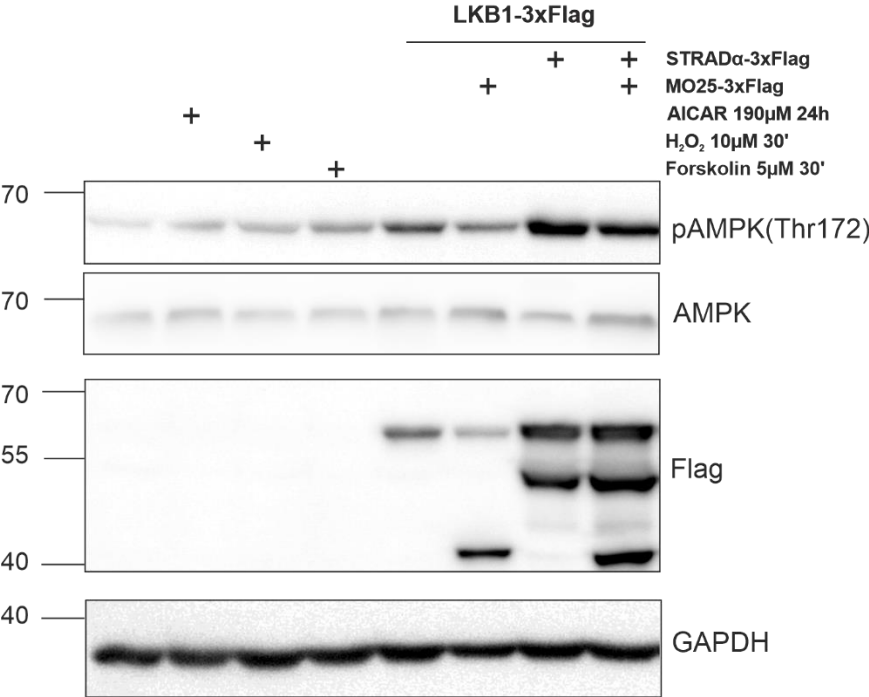
original western blot
pAMPK (Thr172)



original marker picture
pAMPK (Thr172)

Replicate 4:

Replicate 4

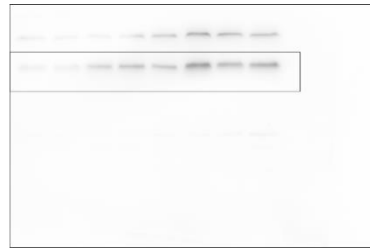




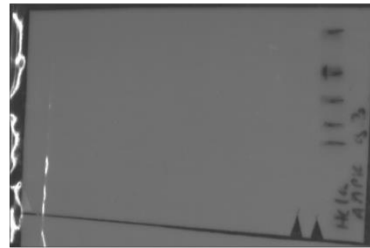
original western blot
GAPDH



original marker picture
GAPDH



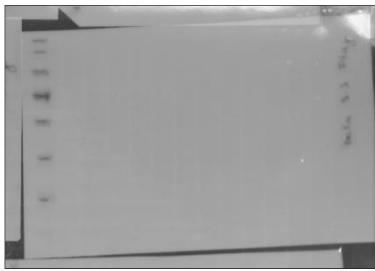
original western blot
AMPK



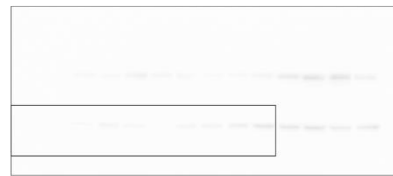
original marker picture
AMPK



original western blot
Flag



original marker picture
Flag



original western blot
pAMPK (Thr172)

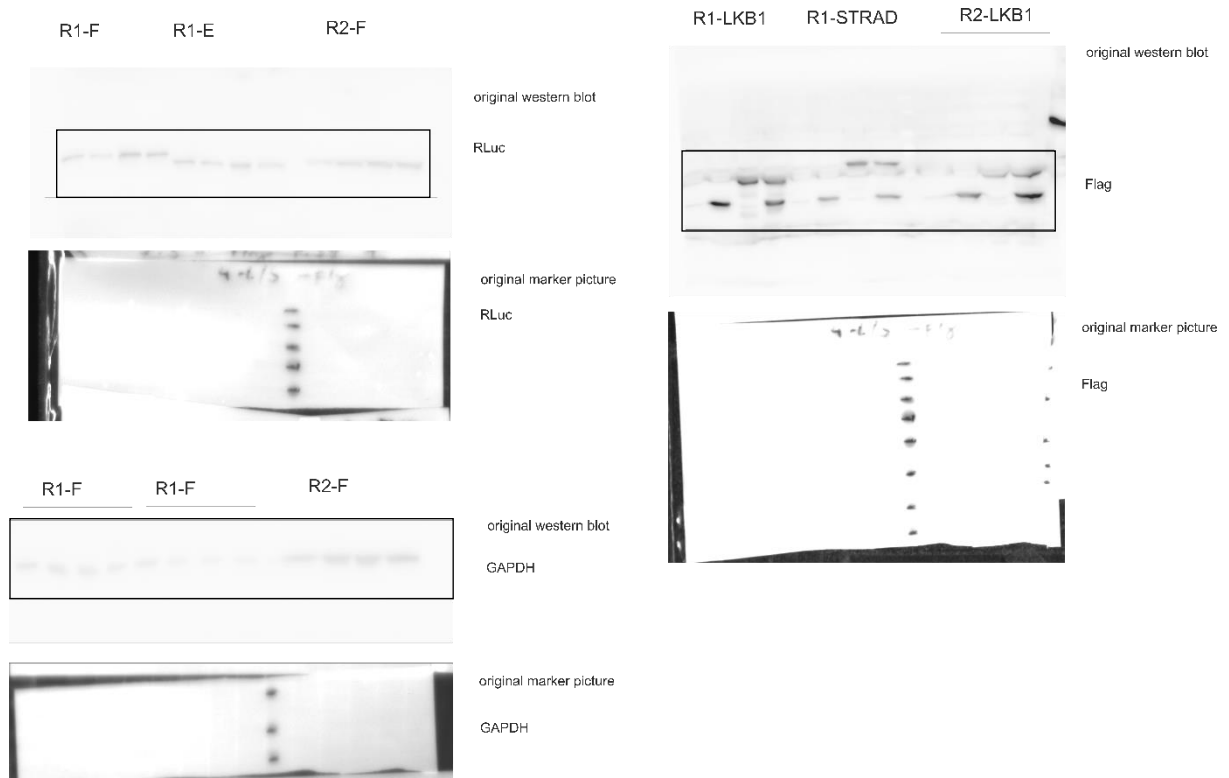
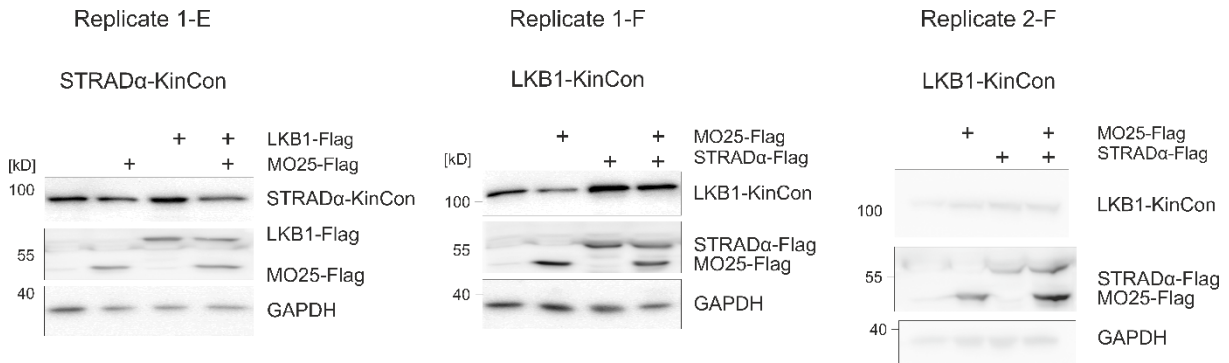


original marker picture
pAMPK (Thr172)

Figure 2 Panel E/F: Impact of LKB1-STRADα-MO25 co-expression on STRADα/LKB1 conformation

In these panels representative western blots are shown. Since they were often detected on the same membranes panel E and F are shown here together. The corresponding western blot raw data is enclosed below :

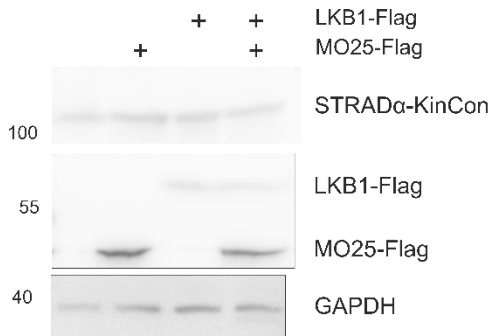
Replicate 1F,1E, 2F:



Replicate 3F,2E:

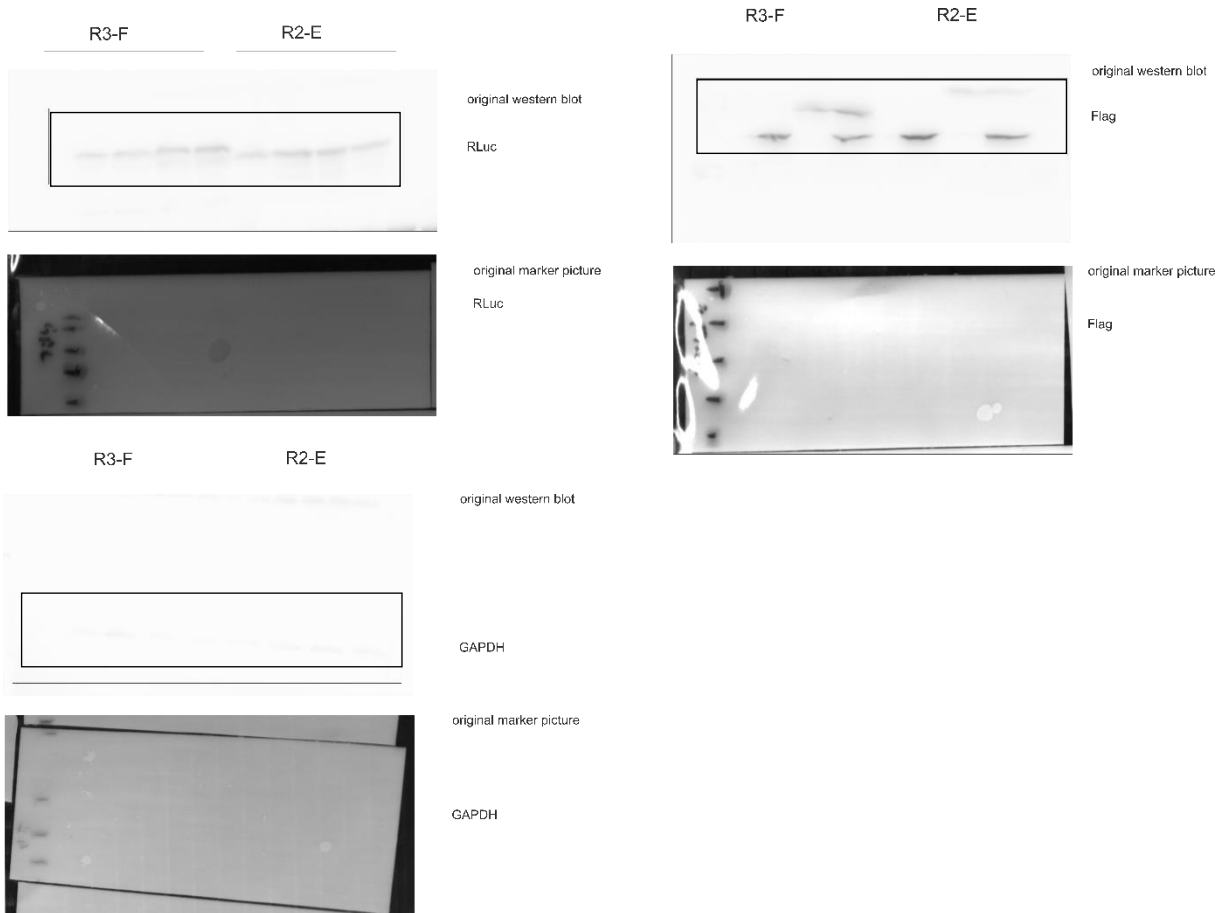
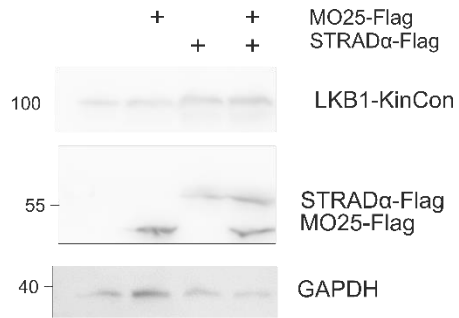
Replicate 2-E

STRAD α -KinCon



Replicate 3-F

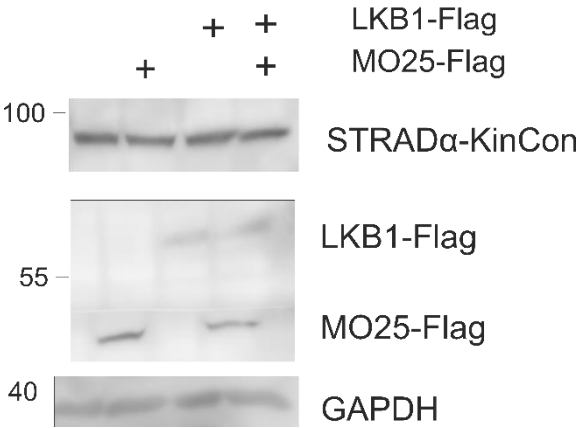
LKB1-KinCon



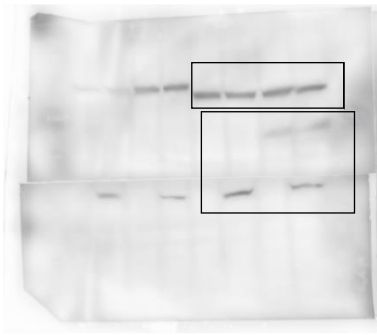
Replicate 3E:

Replicate 3-E

STRAD α -KinCon



R3-E

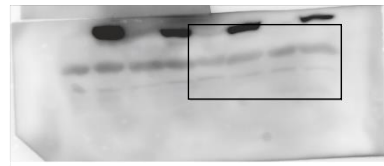


original western blot

RLuc

Flag

R3-E



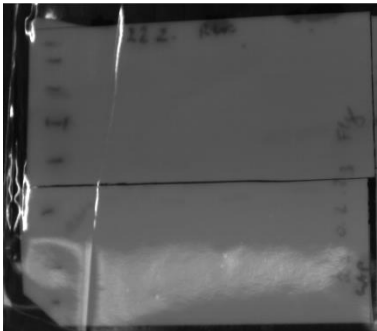
original western blot

GAPDH



original marker picture

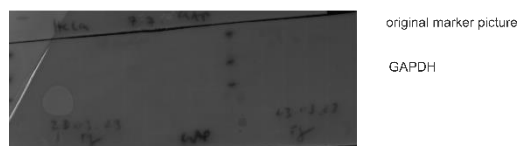
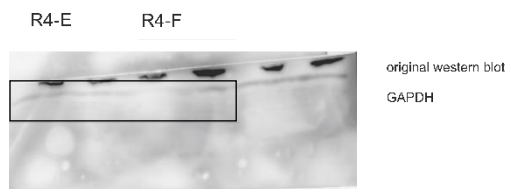
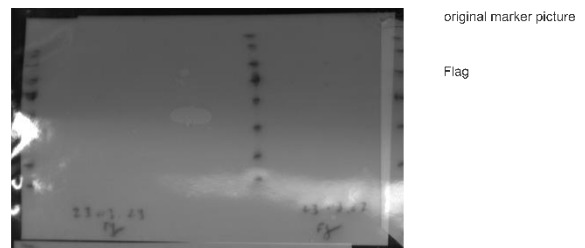
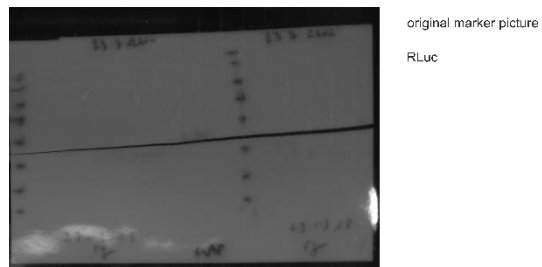
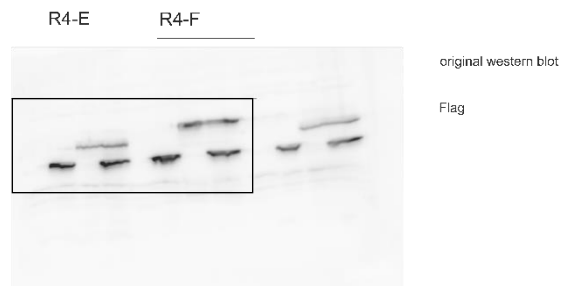
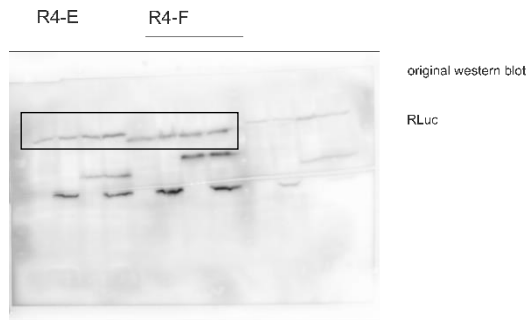
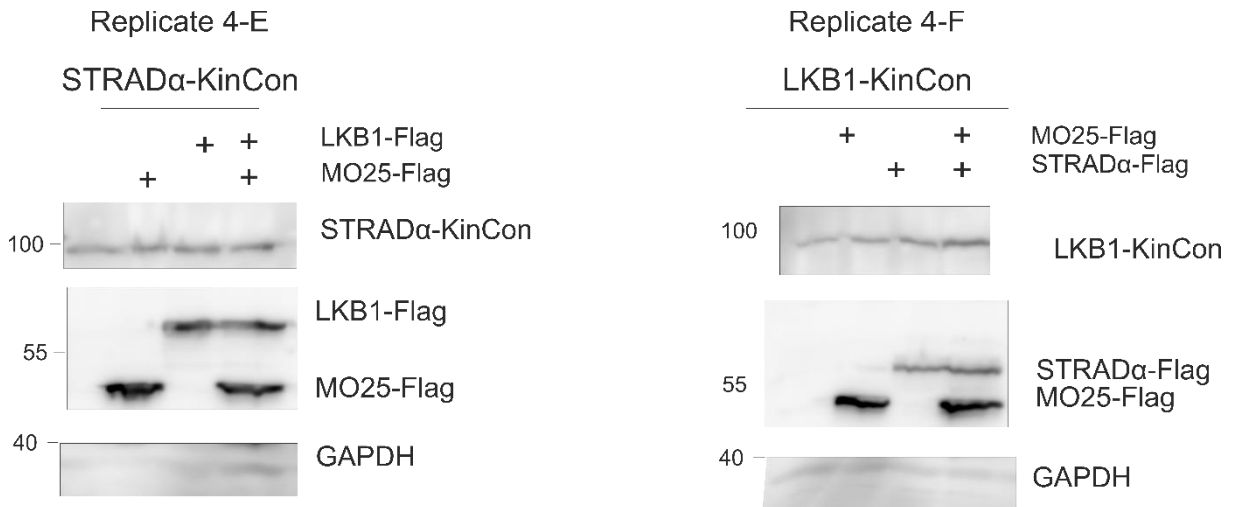
GAPDH



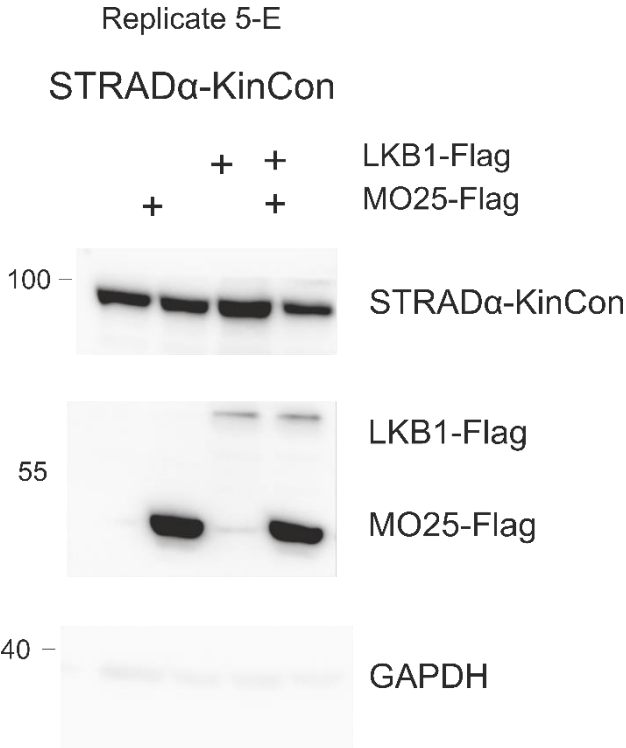
original marker picture

RLuc + Flag

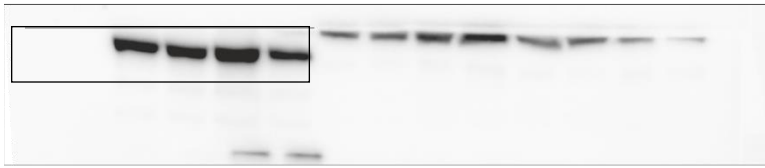
Replicate 4F,4E:



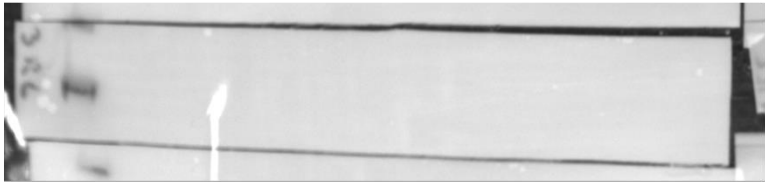
Replicate 5 -Figure E:



R5-E

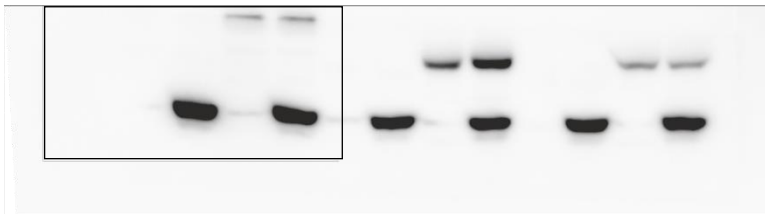


original western blot
RLuc

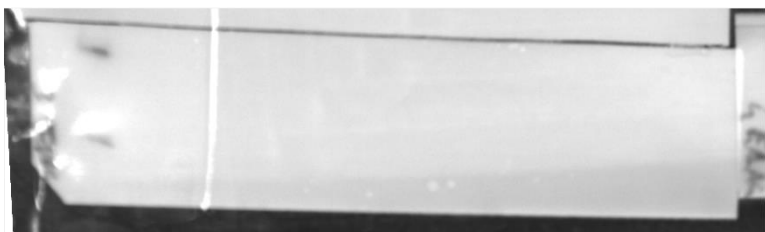


original marker picture
RLuc

R5-E

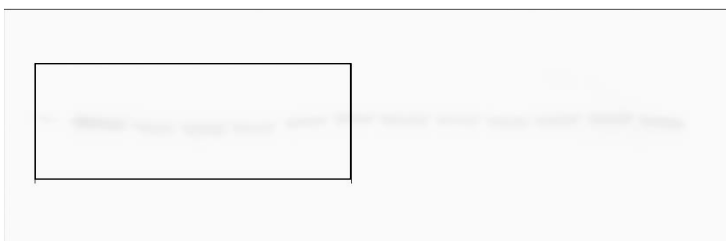


original western blot
Flag



original marker picture
Flag

R5-E



original western blot
GAPDH

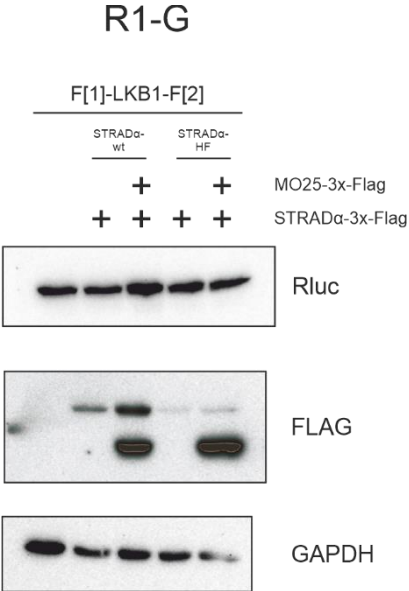


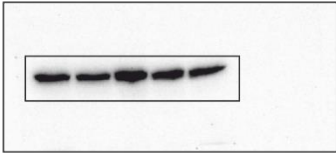
original marker picture
GAPDH

Figure 2 Panel G: Impact of STRADα-H231/F223A coexpression on LKB1 conformation

In these panels representative western blots are shown. The corresponding western blot raw data is enclosed below and:

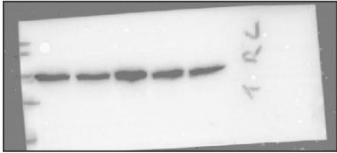
Replicate 1:





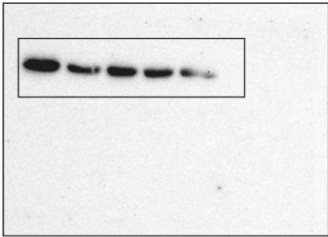
original western blot

RLuc



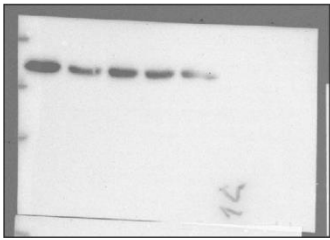
original marker picture

RLuc



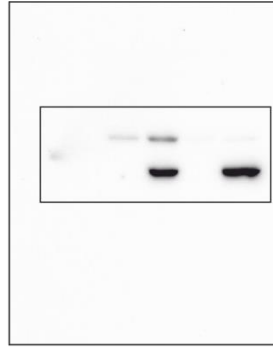
original western blot

GAPDH



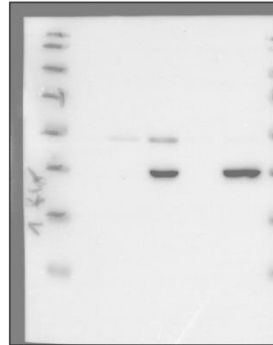
original marker picture

GAPDH



original western blot

Flag



original marker picture

Flag

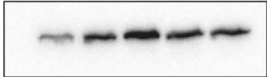
Replicate 2:

R2-G

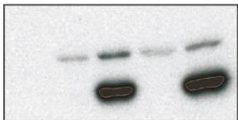
F[1]-LKB1-F[2]

STRAD α -wt		STRAD α -HF	
+	+	+	+
+	+	+	+

MO25-3x-Flag
STRAD α -3x-Flag



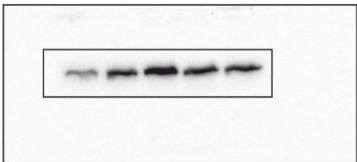
RLuc



FLAG

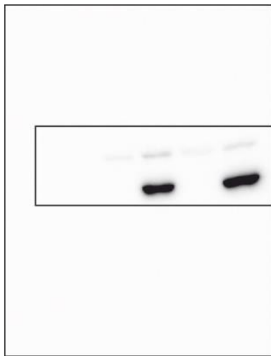


GAPDH



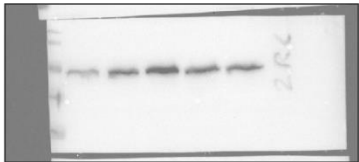
original western blot

RLuc



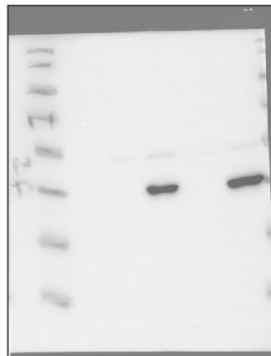
original western blot

Flag



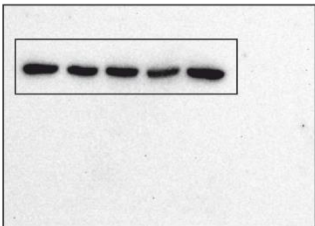
original marker picture

RLuc



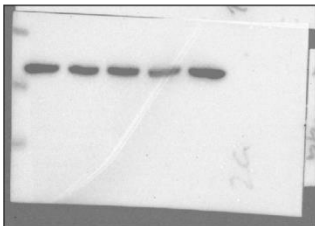
original marker picture

Flag



original western blot

GAPDH



original marker picture

GAPDH

Replicate 3:
R3-G

F[1]-LKB1-F[2]

STRAD α -wt	STRAD α -HF
+	+
+	+

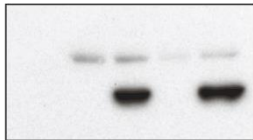
+	+
+	+

MO25-3x-Flag

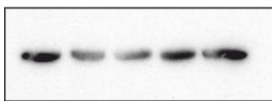
STRAD α -3x-Flag



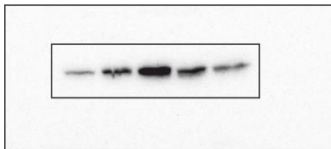
RLuc



FLAG



GAPDH



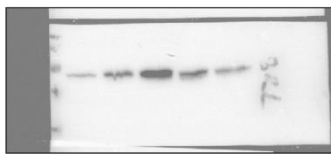
original western blot

RLuc



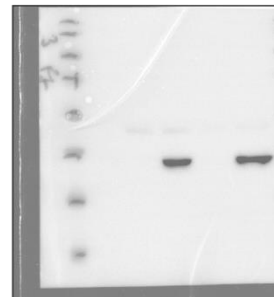
original western blot

Flag



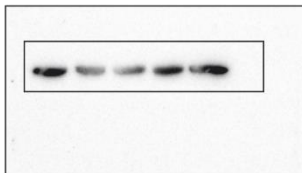
original marker picture

RLuc



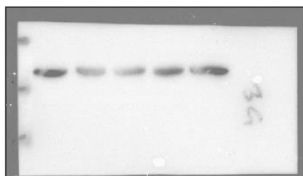
original marker picture

Flag



original western blot

GAPDH

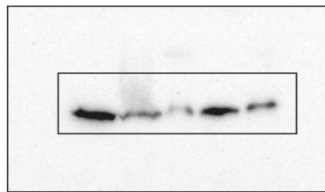
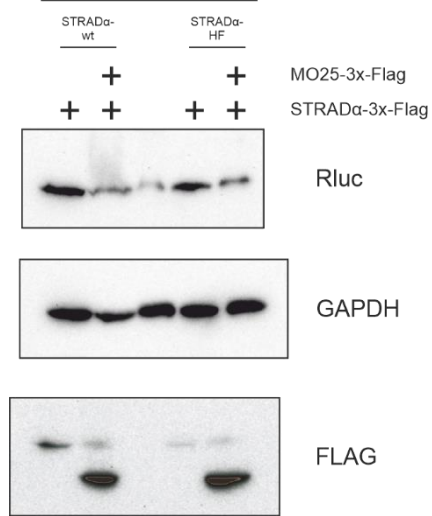


original marker picture

GAPDH

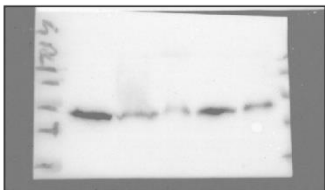
Replicate 4:
R4-G

F[1]-LKB1-F[2]



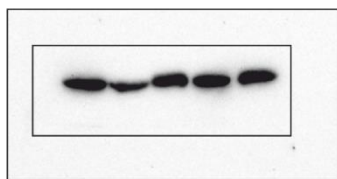
original western blot

RLuc



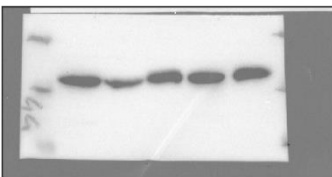
original marker picture

RLuc



original western blot

GAPDH



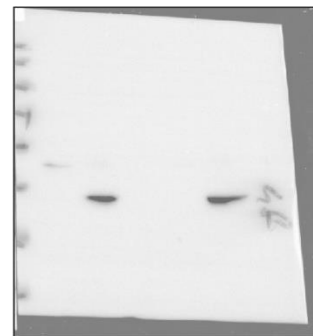
original marker picture

GAPDH



original western blot

Flag



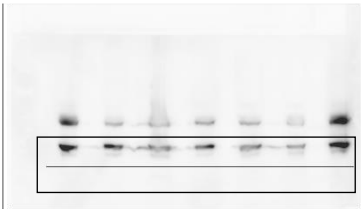
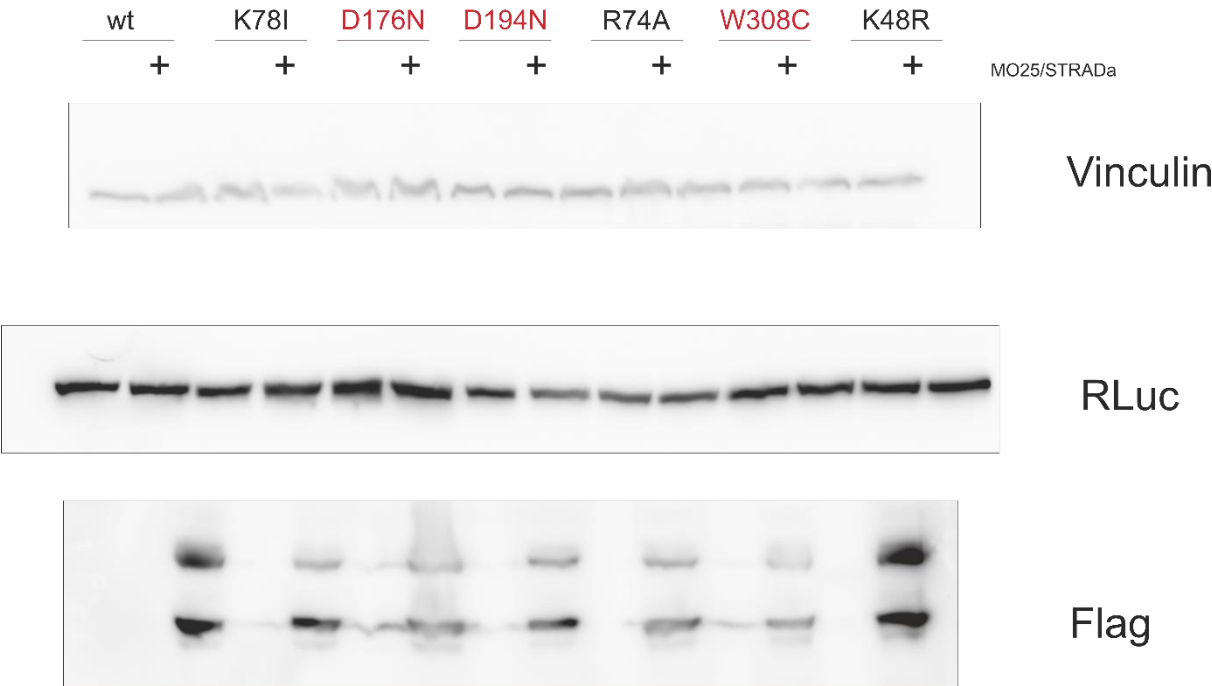
original marker picture

Flag

Figure 2 Panel I: Impact of LKB1-mutants on the LKB1 conformation:

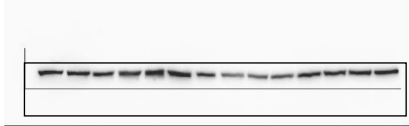
In these panels representative western blots are shown. The corresponding western blot raw data is enclosed below :

Replicate1:



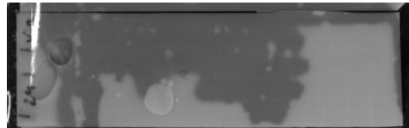
original western blot

Flag



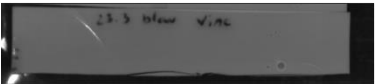
original western blot

RLuc



original marker picture

RLuc



original marker picture

Vinculin

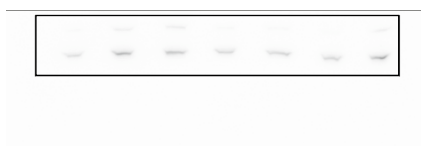
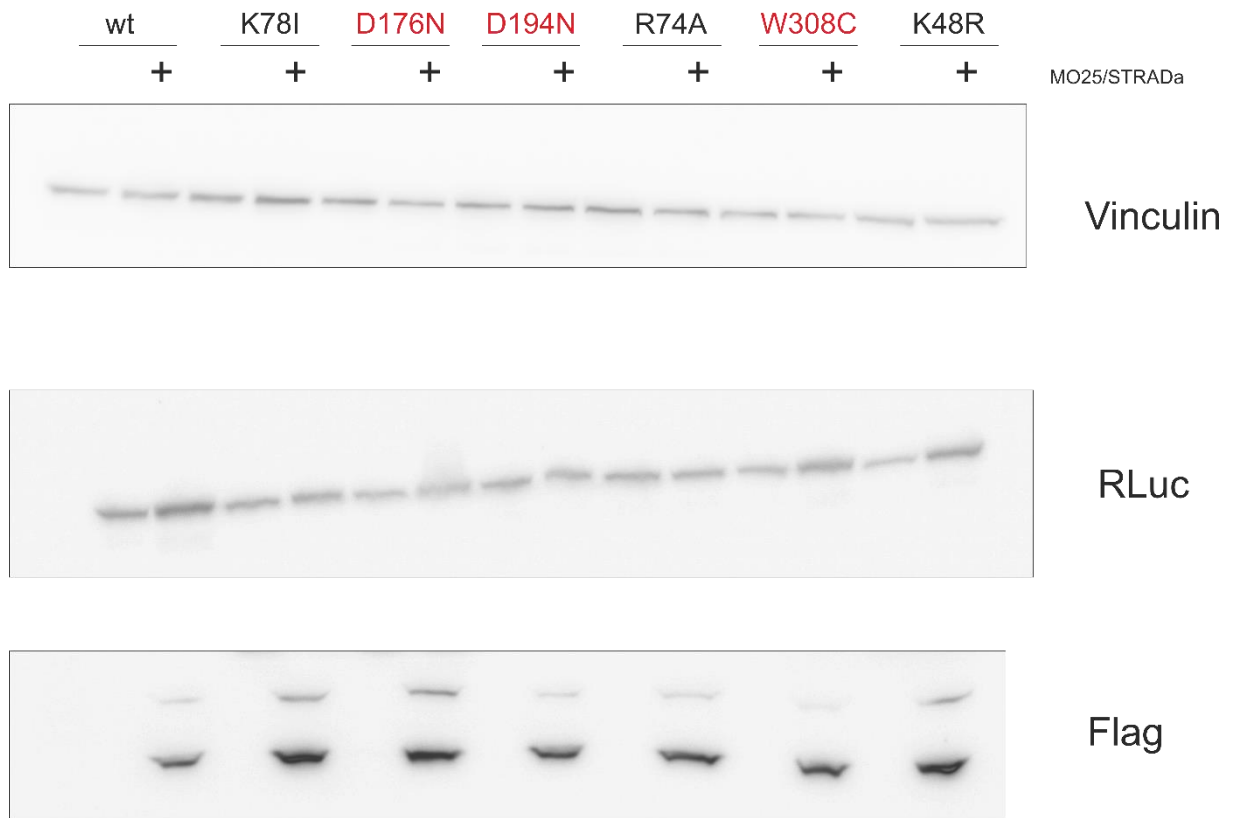


original western blot

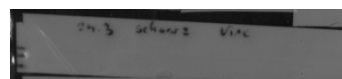
Vinculin

For this replicate no marker picture was detected in the case of the Flag antibody

Replicate 2:



original western blot
Flag



original marker picture
Vinculin



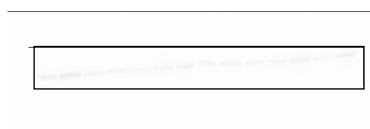
original marker picture
Flag



original western blot
Vinculin



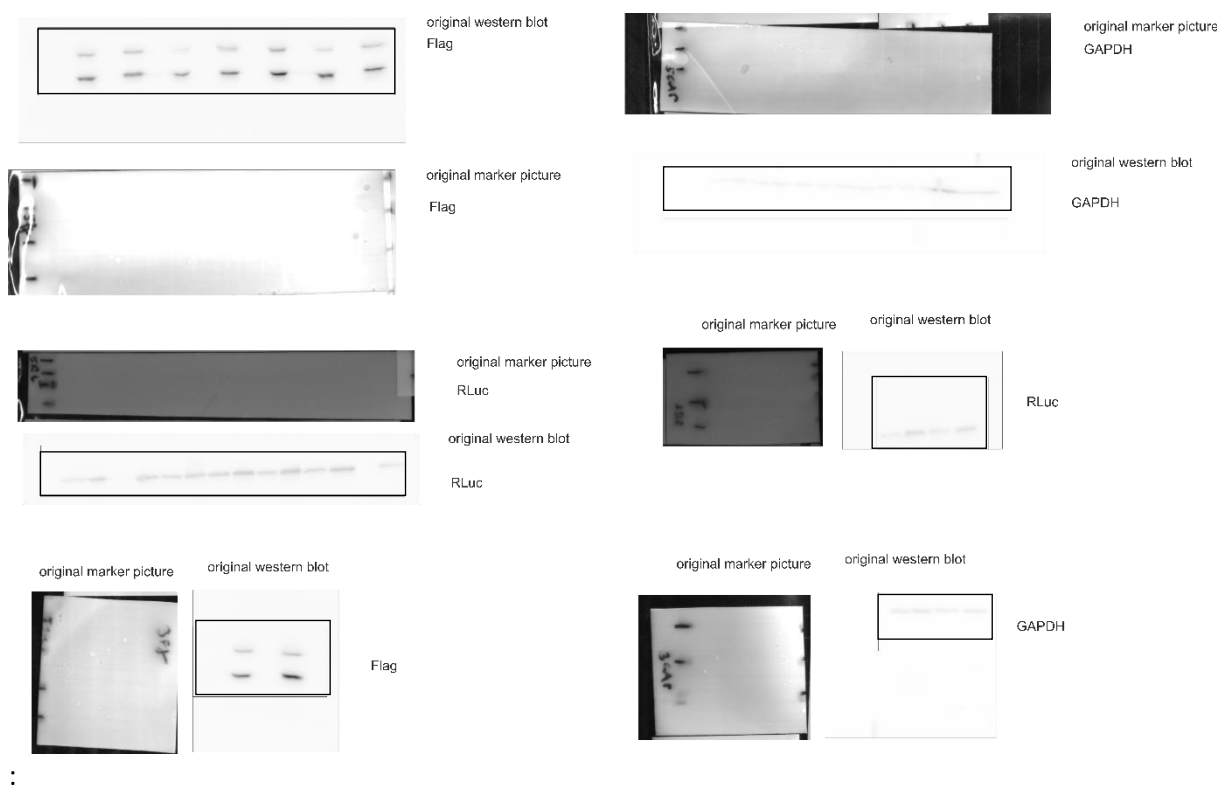
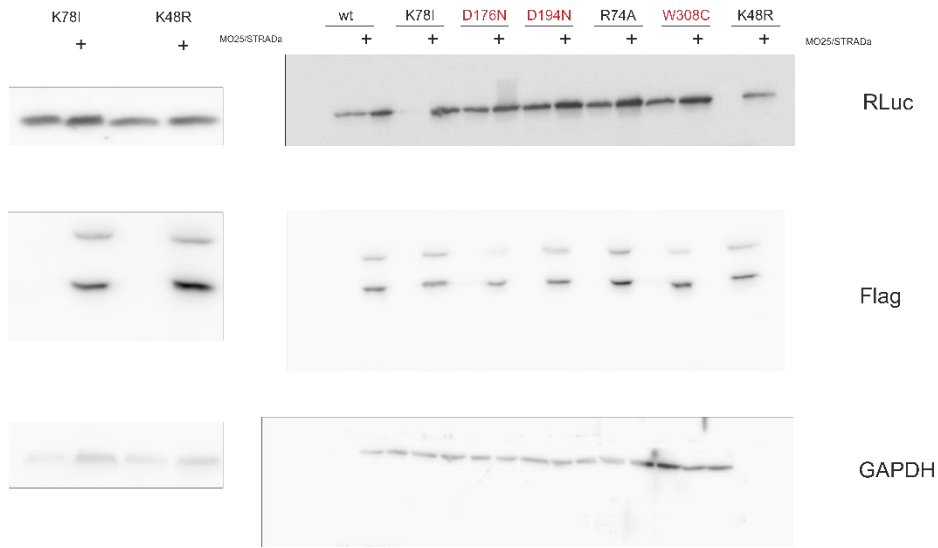
original marker picture
RLuc



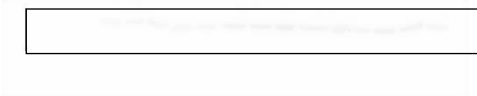
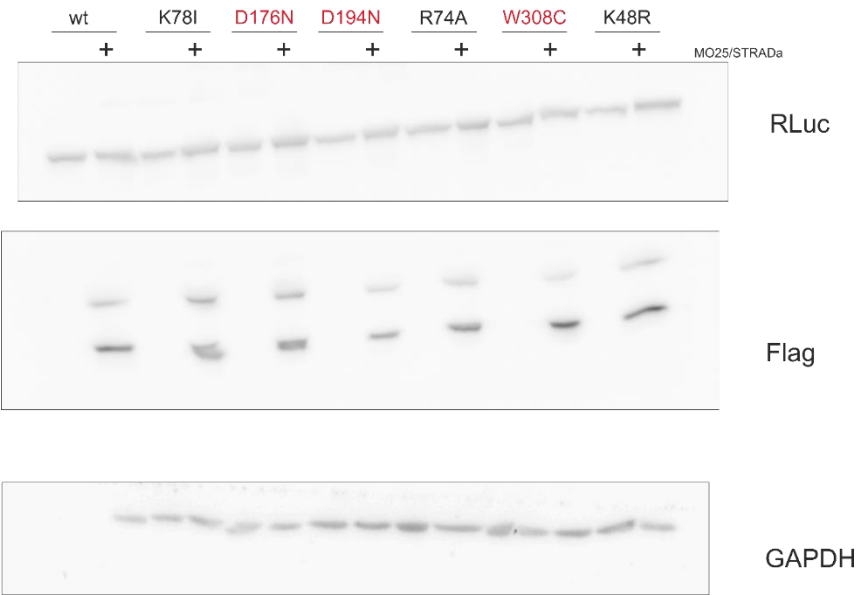
original western blot
RLuc

Replicate 3

reload of lysates of rep 3



Replicate 4



original western blot
GAPDH



original western blot
Flag



original marker picture
GAPDH



original marker picture
Flag

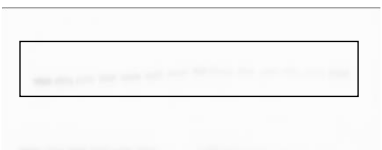
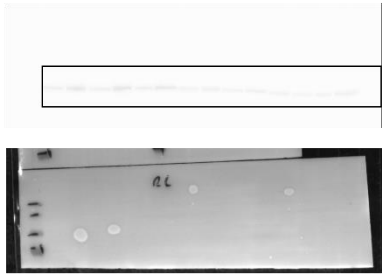
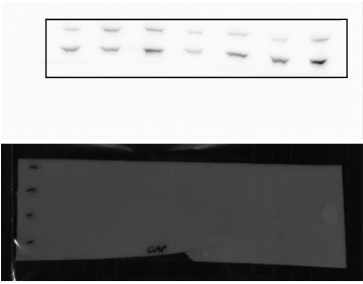
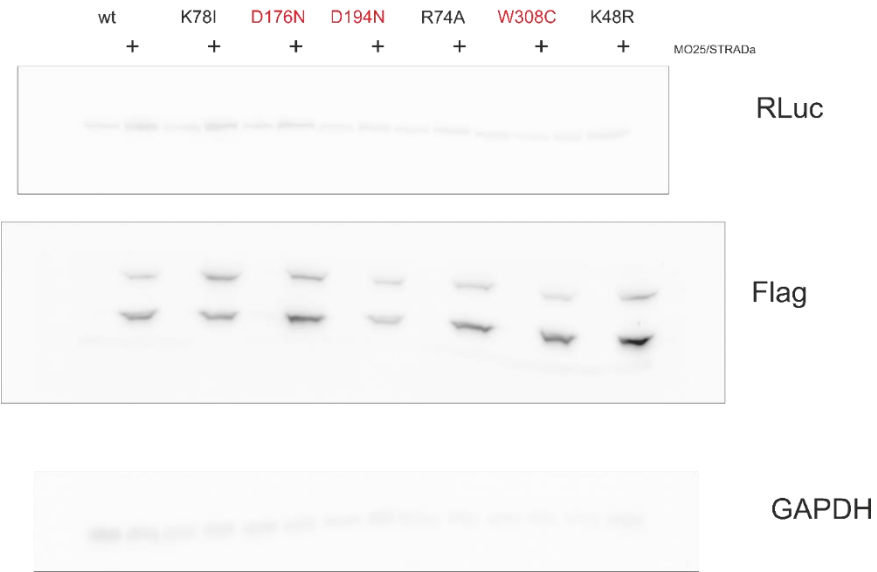


original marker picture
RLuc



original western blot
RLuc

Replicate 5:



No marker was detected for GAPDH in R5