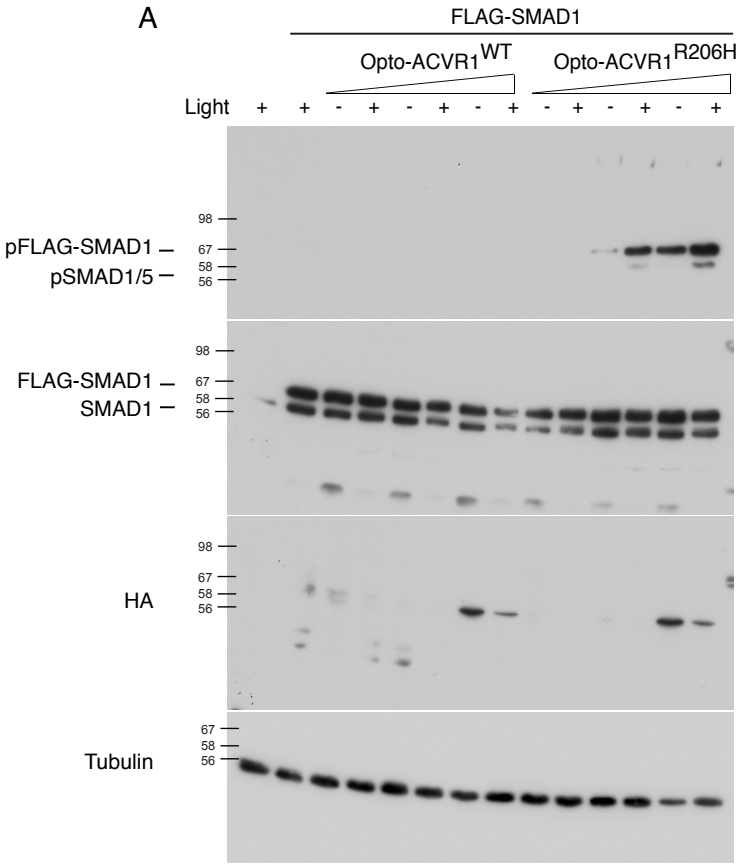
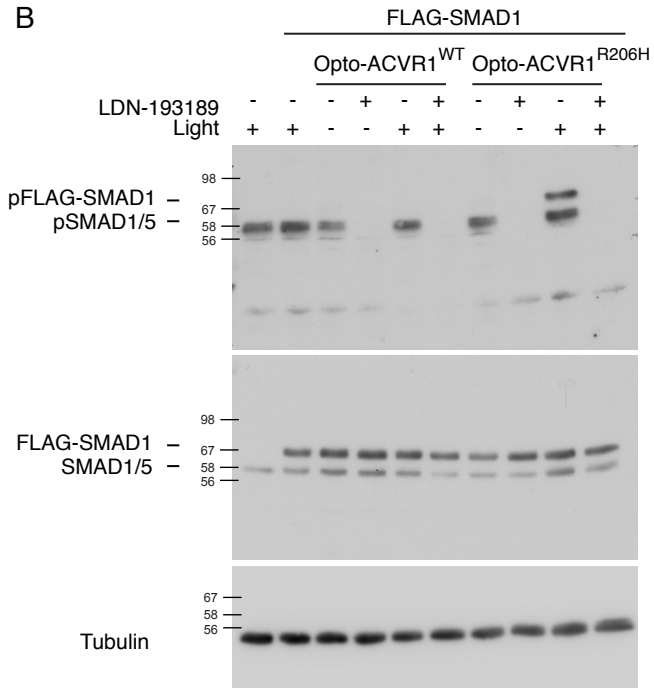

A
FLAG-SMAD1
Opto-ACVR1WT
Opto-ACVR1R206H
Light
pFLAG-SMAD1
pSMAD1/5
FLAG-SMAD1
SMAD1
HA
Tubulin
98
67
58
56


B
FLAG-SMAD1
Opto-ACVR1WT
Opto-ACVR1R206H
LDN-193189
Light
pFLAG-SMAD1
pSMAD1/5
FLAG-SMAD1
SMAD1/5
Tubulin
98
67
58
56

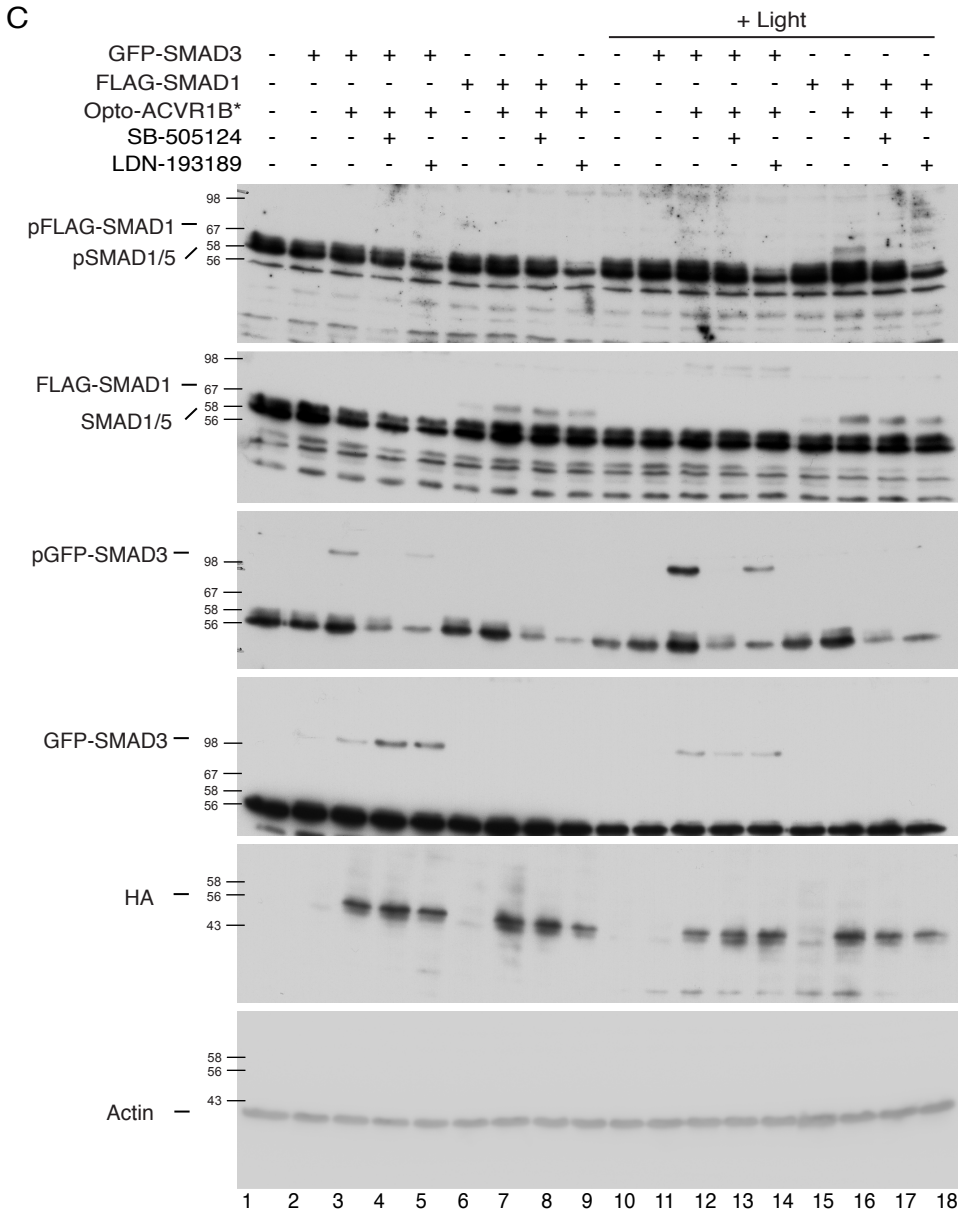

C
+ Light
GFP-SMAD3
FLAG-SMAD1
Opto-ACVR1B*
SB-505124
LDN-193189
pFLAG-SMAD1
pSMAD1/5
FLAG-SMAD1
SMAD1/5
pGFP-SMAD3
GFP-SMAD3
HA
Actin
98
67
58
56
43
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Figure 5