

Figure 1.

(A)

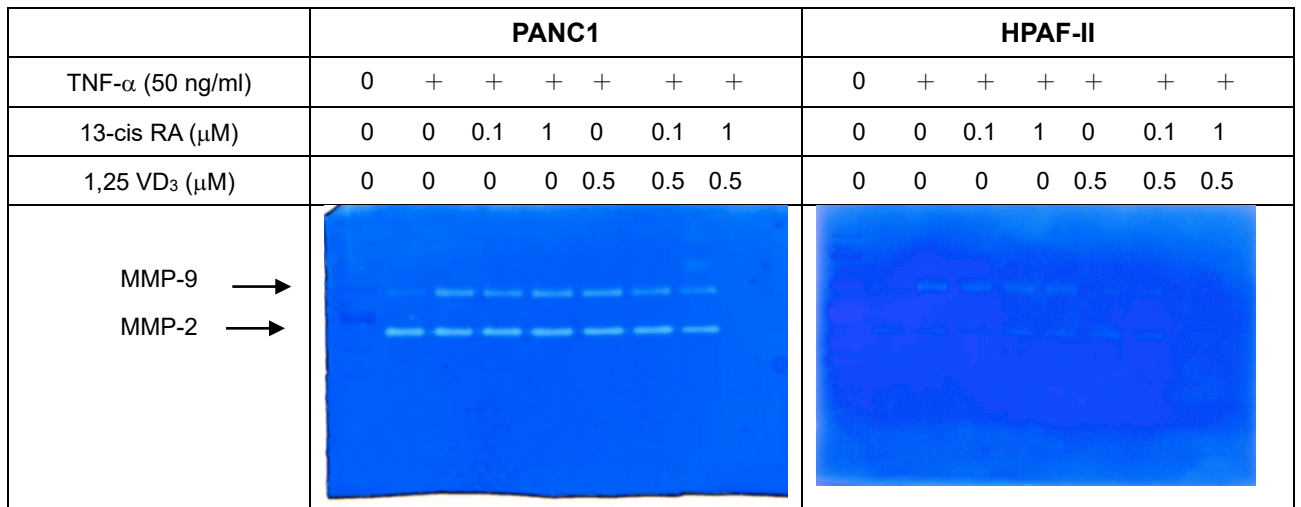
	PANC-1							HPAF-II						
TNF- α (50 ng/ml)	-	+	+	+	+	+	+	-	+	+	+	+	+	+
13-cis-RA (uM)	0	0	0.1	1	0	0.1	1	0	0	0.1	1	0	0.1	1
1 α , 25(OH) $_2$ D $_3$ (uM)	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5
E-cadherin														
N-cadherin														
actin														

(B)

	PANC-1							HPAF-II						
TNF- α (50 ng/ml)	-	+	+	+	+	+	+	-	+	+	+	+	+	+
13-cis-RA (uM)	0	0	0.1	1	0	0.1	1	0	0	0.1	1	0	0.1	1
1 α , 25(OH) $_2$ D $_3$ (uM)	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5
Slug														
Twist1														
lamin A														

Figure 3.

(A)



(B)

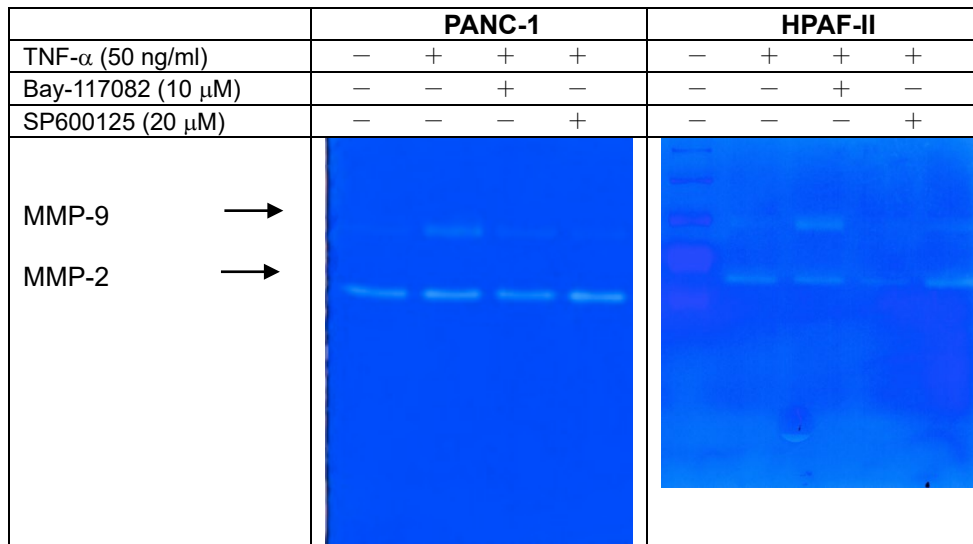
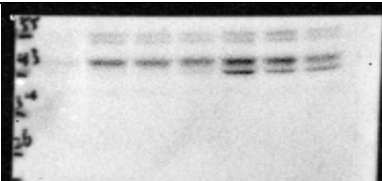
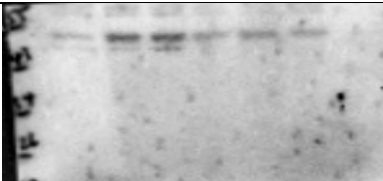
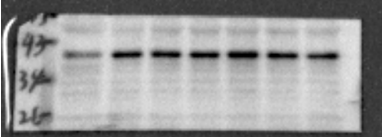
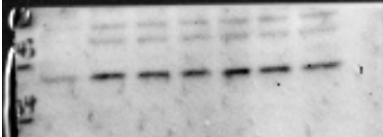
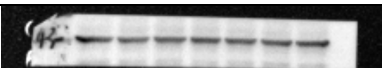

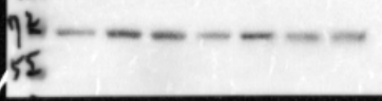

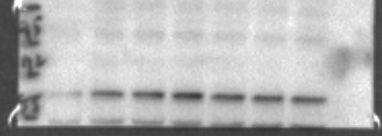

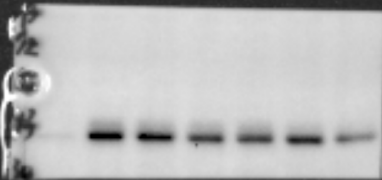
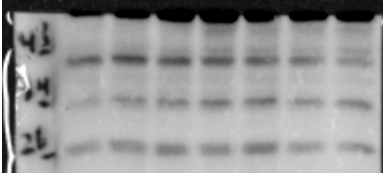


Figure 3.

(C)

	PANC-1							HPAF-II						
TNF- α (50 ng/ml)	0	+	+	+	+	+	+	0	+	+	+	+	+	+
13-cis-RA (uM)	0	0	0.1	1	0	0.1	1	0	0	0.1	1	0	0.1	1
1,25 VD ₃ (uM)	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5
p-JNK (T183/Y185)														
p-I κ B α (S32/36)														
actin														

(D)

	PANC-1							HPAF-II						
TNF- α (50 ng/ml)	0	+	+	+	+	+	+	0	+	+	+	+	+	+
13-cis-RA (uM)	0	0	0.1	1	0	0.1	1	0	0	0.1	1	0	0.1	1
1 α , 25(OH) ₂ D ₃ (uM)	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5
p65 NF κ B														
c-fos														
p-c-jun (S63)														

lamin A

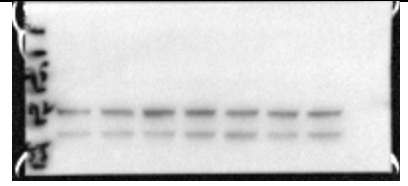
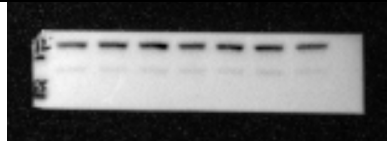
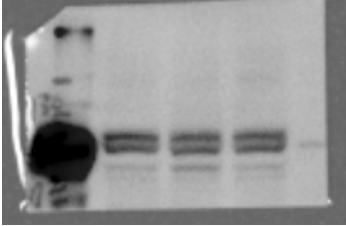
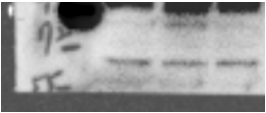
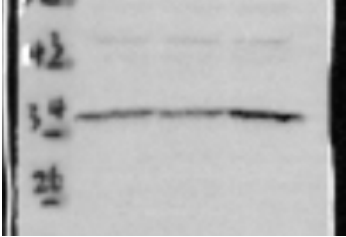
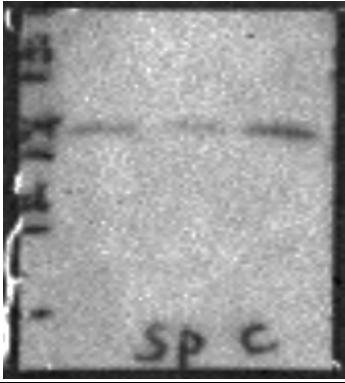
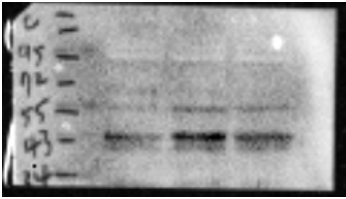
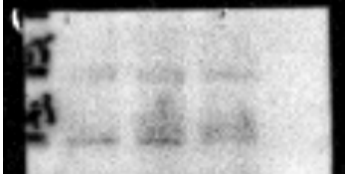
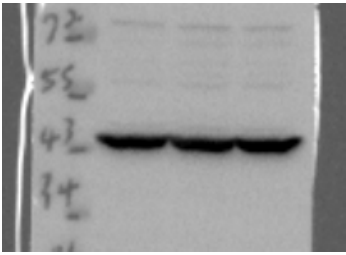
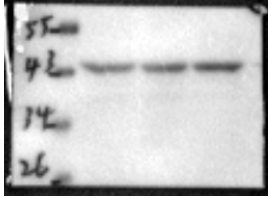
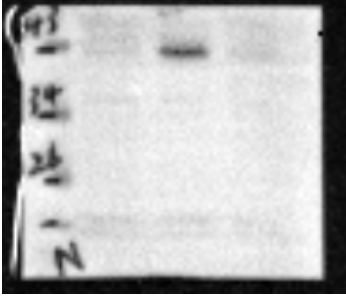
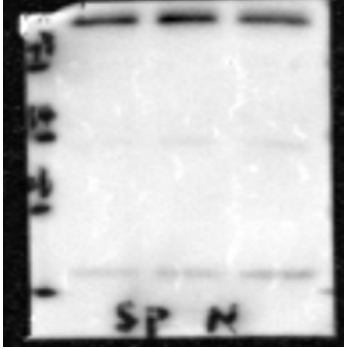
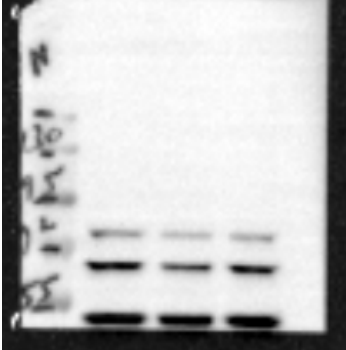
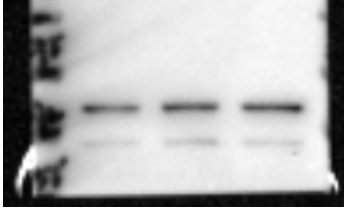


Figure 4.

(A)

	PANC1			HPAF-II		
TNF- α (50 ng/ml)	-	+	+	-	+	+
SP600125 (20 μ M)	-	-	+	-	-	+
MMP-9						
TIMP-3						
p-JNK (T183/Y185)						
actin						

	PANC1			HPAF-II		
TNF- α (50 ng/ml)	-	+	+	-	+	+
SP600125 (20 μ M)	-	-	+	-	-	+

p-c-jun (S63)		
laminA		

(C)

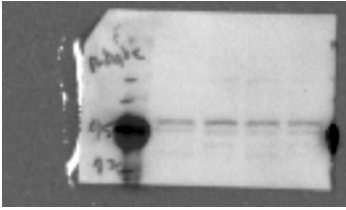

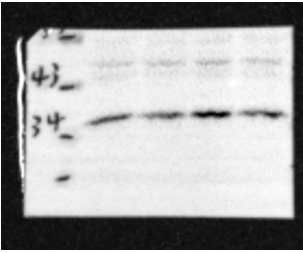
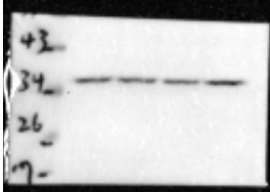
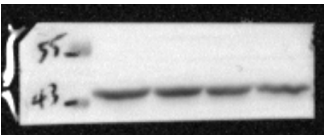
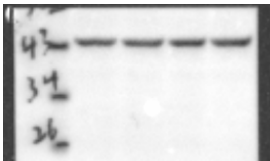
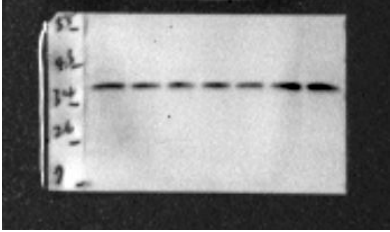
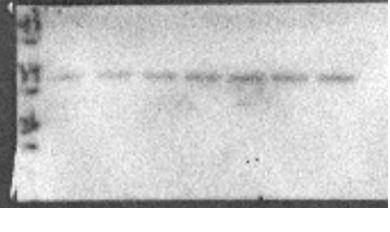
	PANC1				HPAF-II			
TNF- α (50 ng/ml)	-	+	-	+	-	+	-	+
anti-miR-221	-	-	+	+	-	-	+	+
MMP-9								
TIMP-3								
actin								

Figure 5.

(B)

	PANC-1							HPAF-II						
TNF- α (50 ng/ml)	-	+	+	+	+	+	+	-	+	+	+	+	+	+
13-cis-RA (uM)	0	0	0.1	1	0	0.1	1	0	0	0.1	1	0	0.1	1
1 α , 25(OH) $_2$ D $_3$ (uM)	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5
TIMP3														
actin	