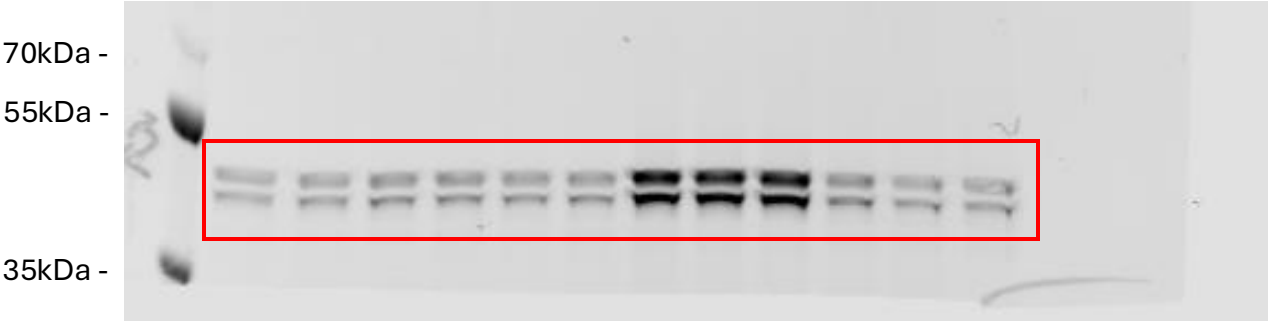


Full unedited blot for WT in **Figure 10D**

FXa	-	-	-	+	+	+	+	+	+	+	+	+
ProT	-	-	-	-	-	-	+	+	+	+	+	+
AT	-	-	-	-	-	-	-	-	-	+	+	+

WT cells



α-phospho-Erk1/2 (P-Erk, thr202/tyr204; Cell Signaling, 9101)



α-Erk1/2 (T-Erk, Cell Signaling, 9102)

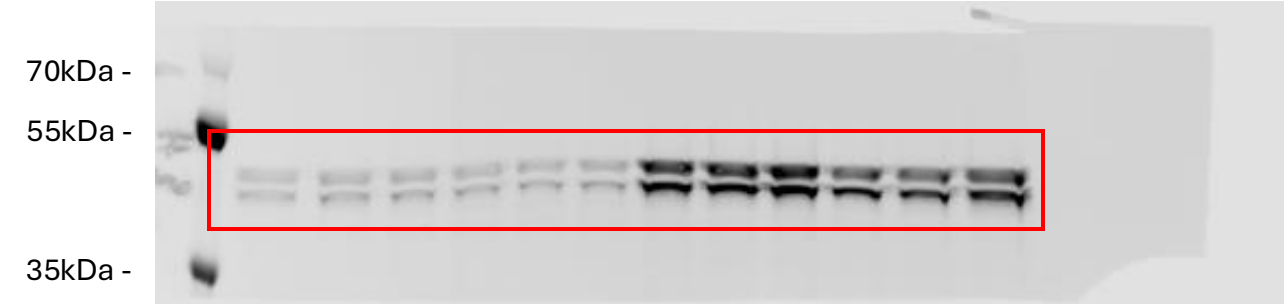


α-GAPDH (Cell Signaling, 2118)

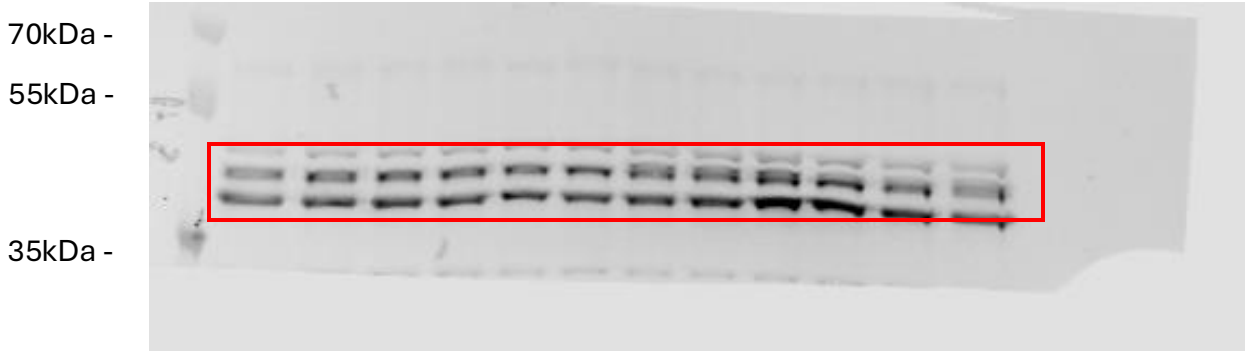
Full unedited blot for HS3ST1^{-/-} in **Figure 10D**

FXa	-	-	-	+	+	+	+	+	+	+	+	+
ProT	-	-	-	-	-	-	+	+	+	+	+	+
AT	-	-	-	-	-	-	-	-	-	+	+	+

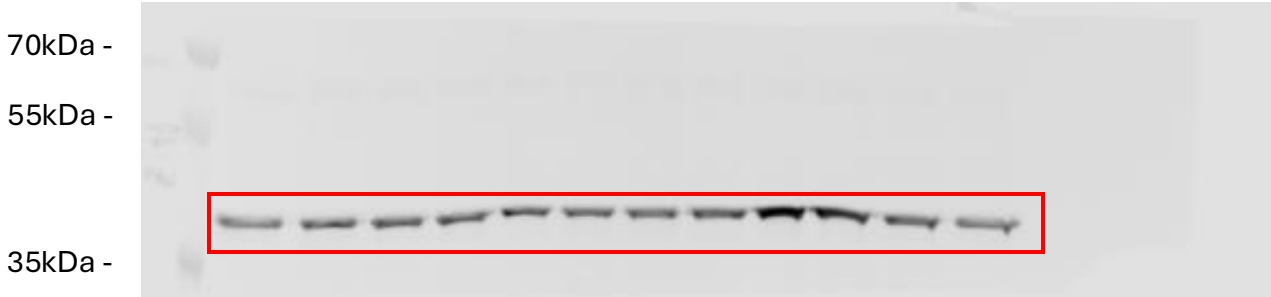
WT cells



α-phospho-Erk1/2 (P-Erk, thr202/tyr204; Cell Signaling, 9101)

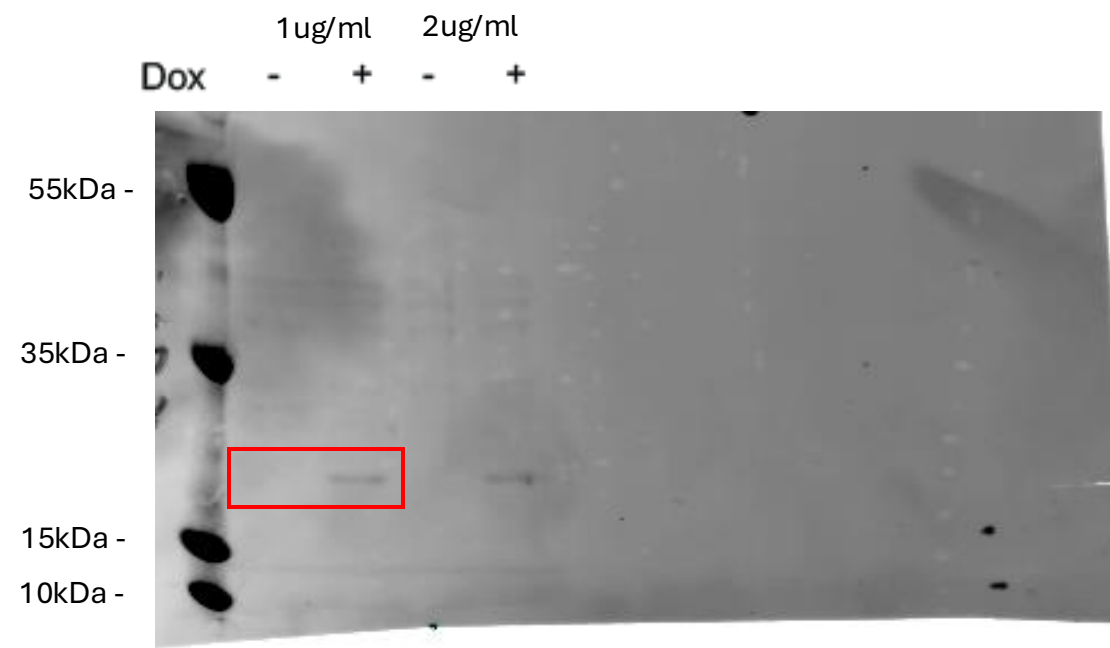


α-Erk1/2 (T-Erk, Cell Signaling, 9102)

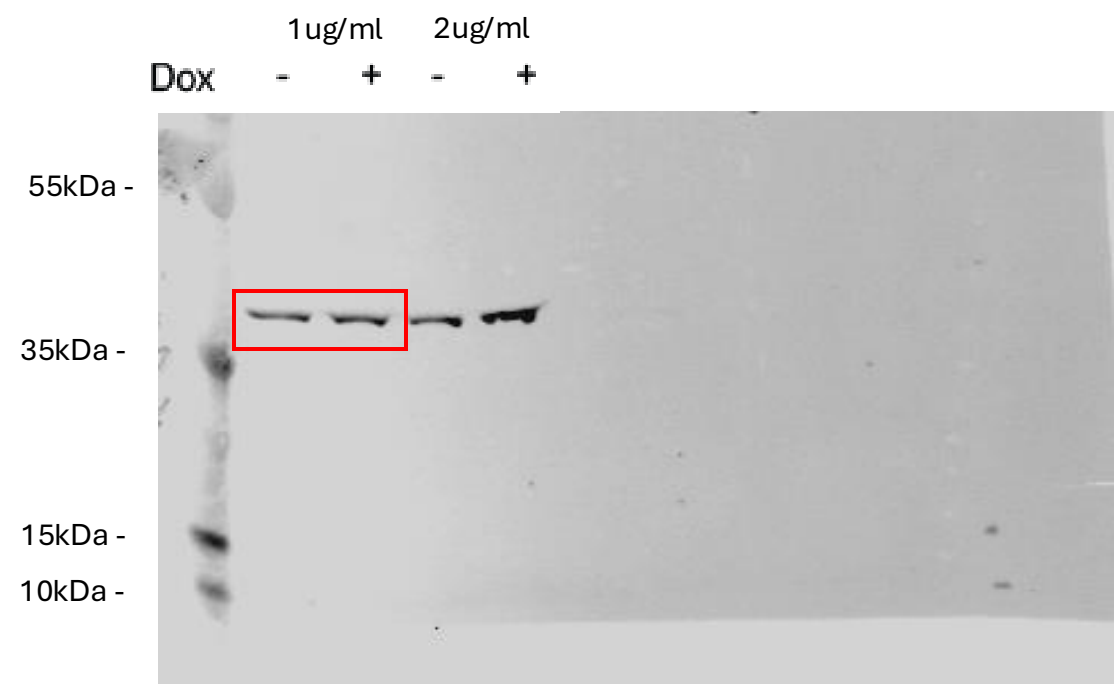


α-GAPDH (Cell Signaling, 2118)

Full unedited blot for KRAS in Supplemental **Figure 5C**



α - KRasG12D (Cell
Signaling, 14429)



α -GAPDH (Cell
Signaling, 2118)