

Original blot

USP13 dictates Ran turnover and vulnerability to ferroptosis in diffused large B cell lymphoma (DLBCL)

Figure 1G

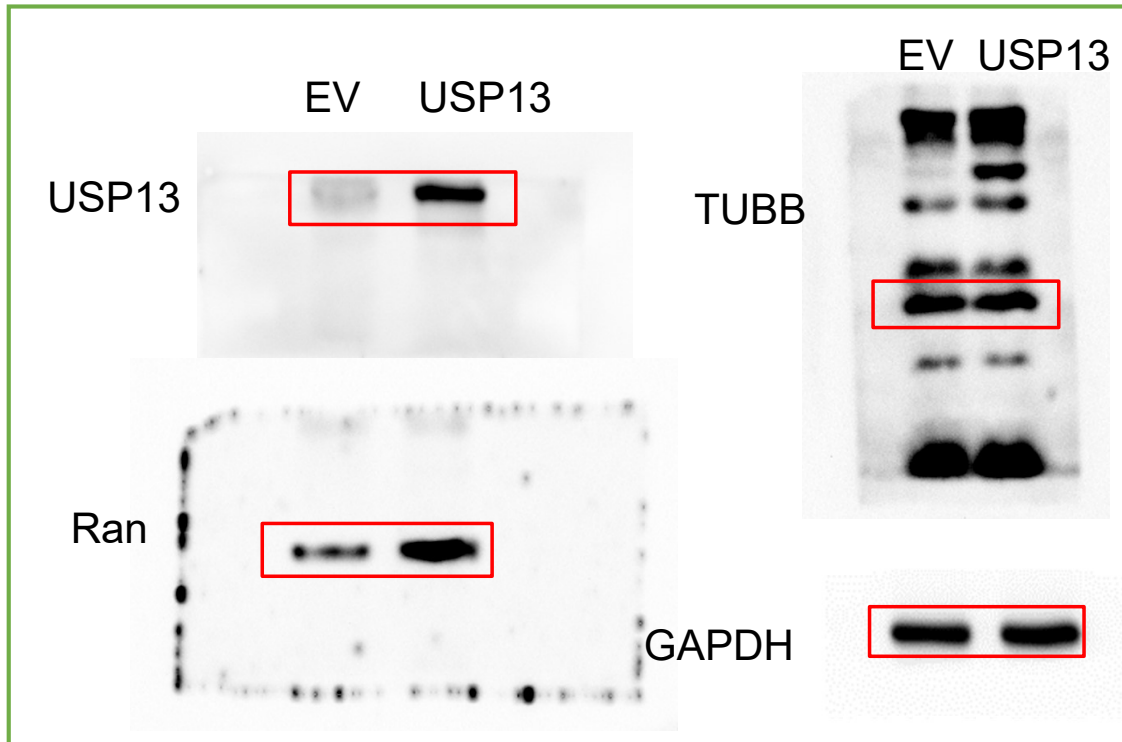


Figure 1K

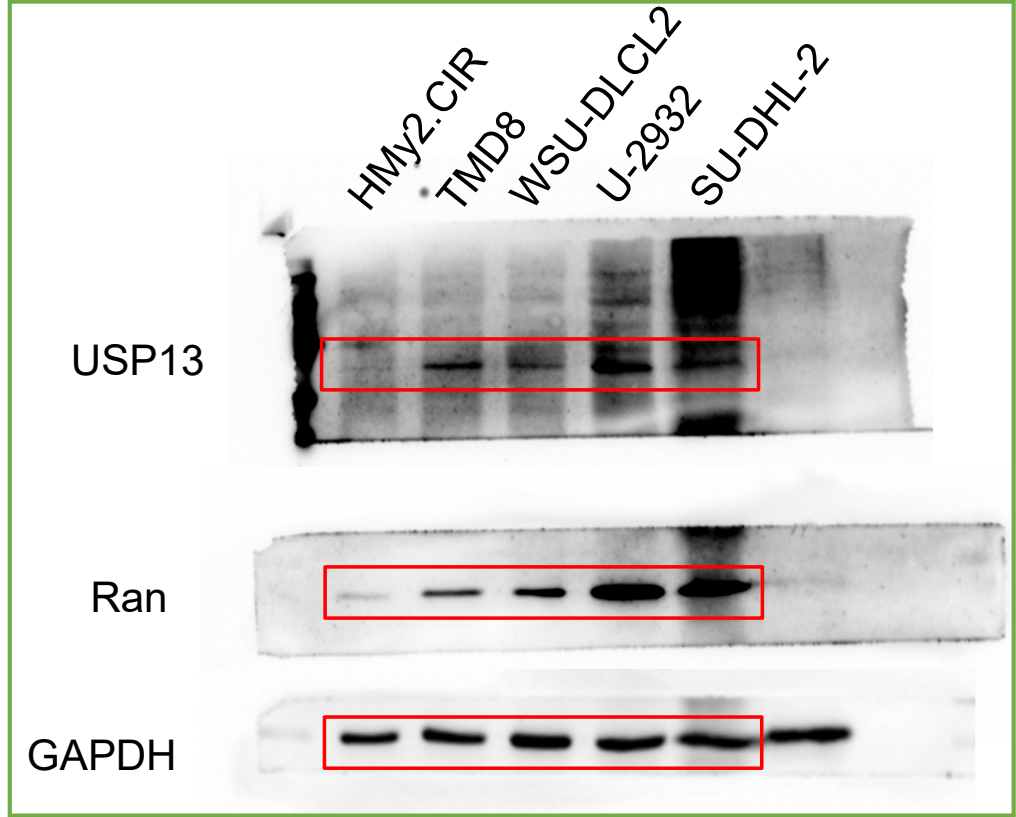


Figure 2A

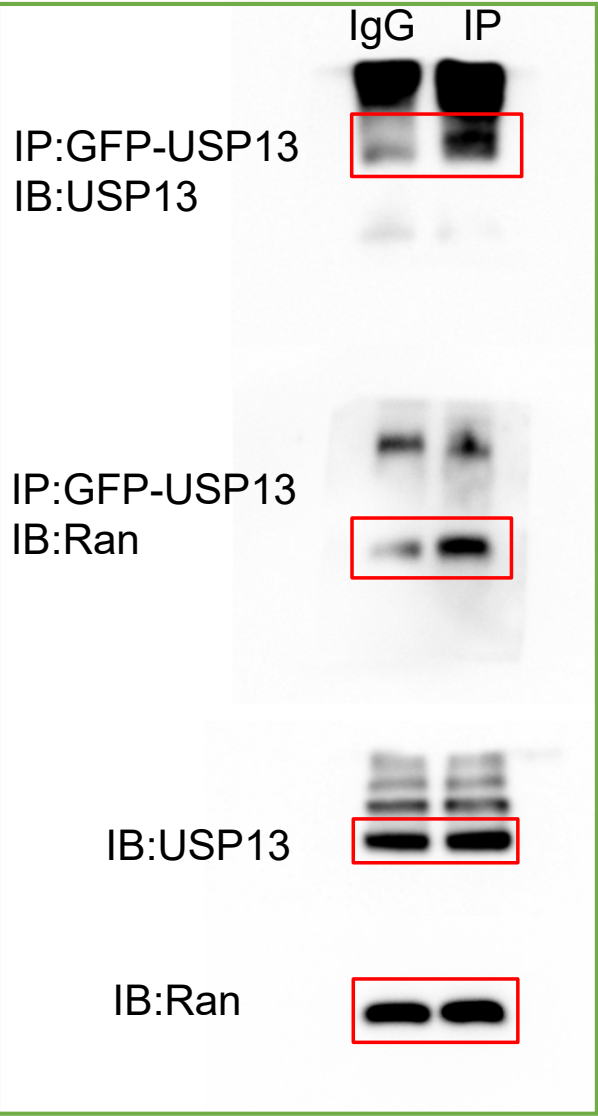


Figure 2B

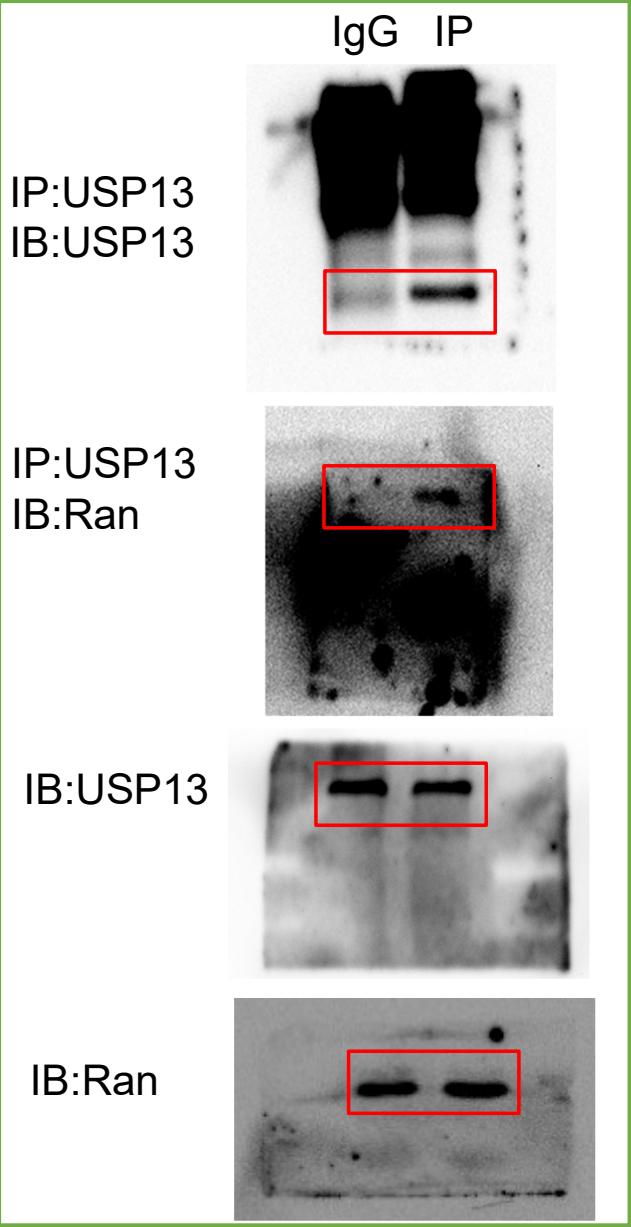


Figure 2C

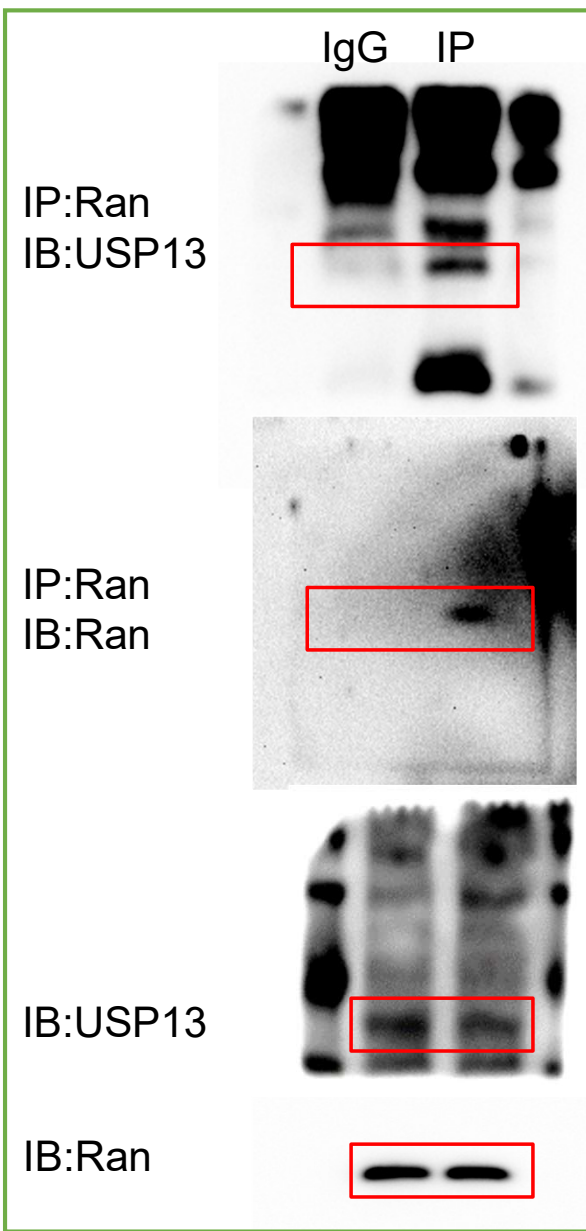


Figure 2D

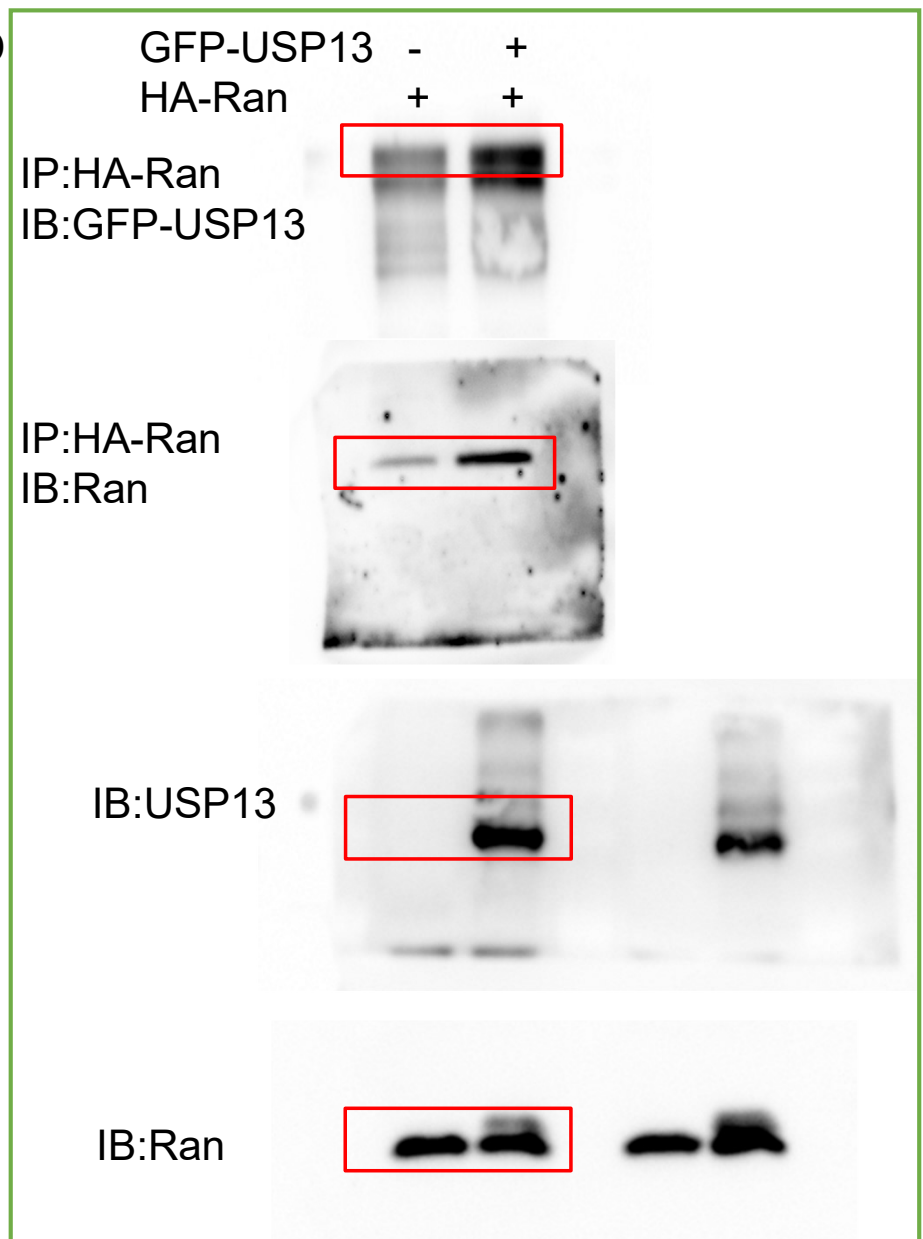


Figure 2E

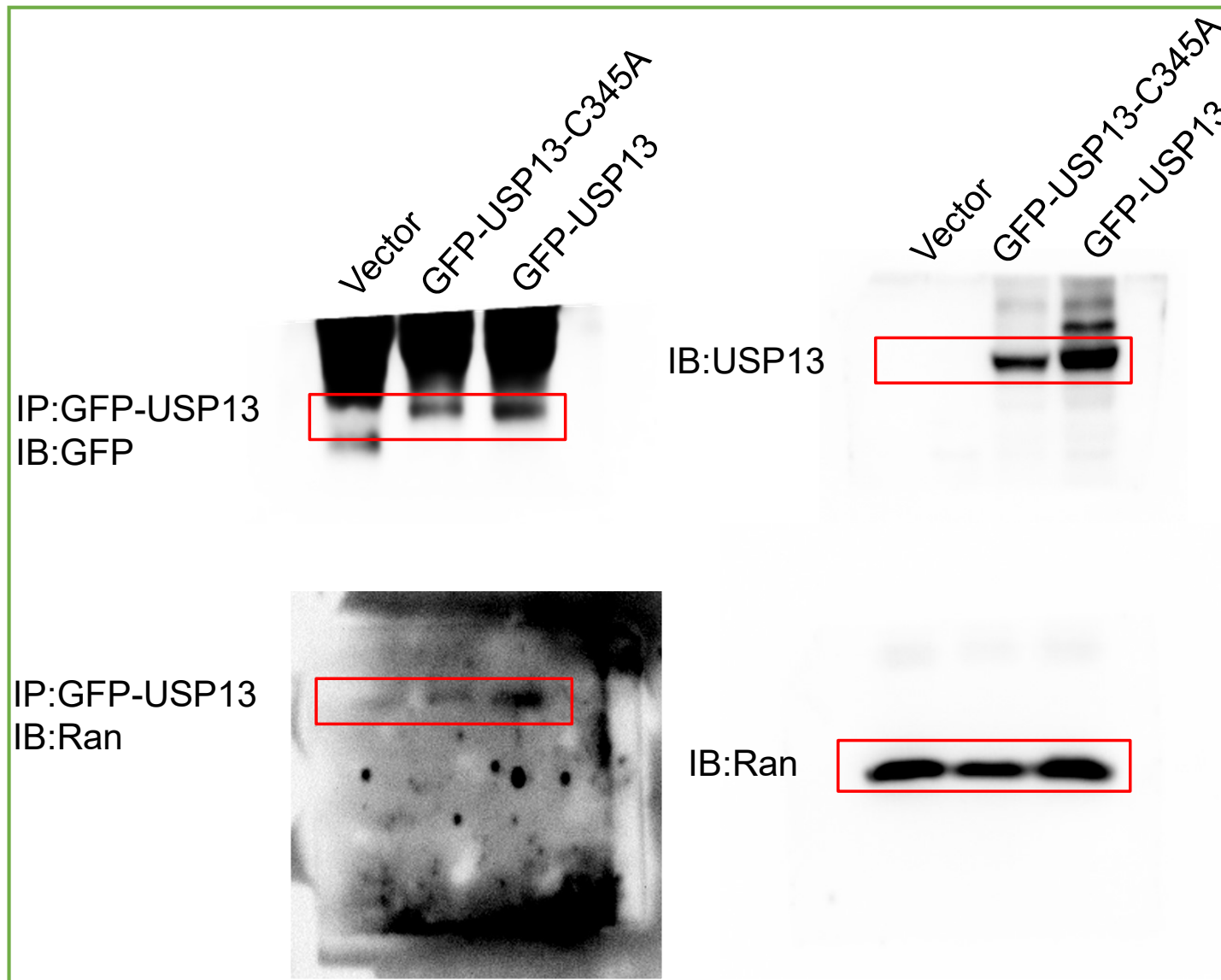


Figure 2G

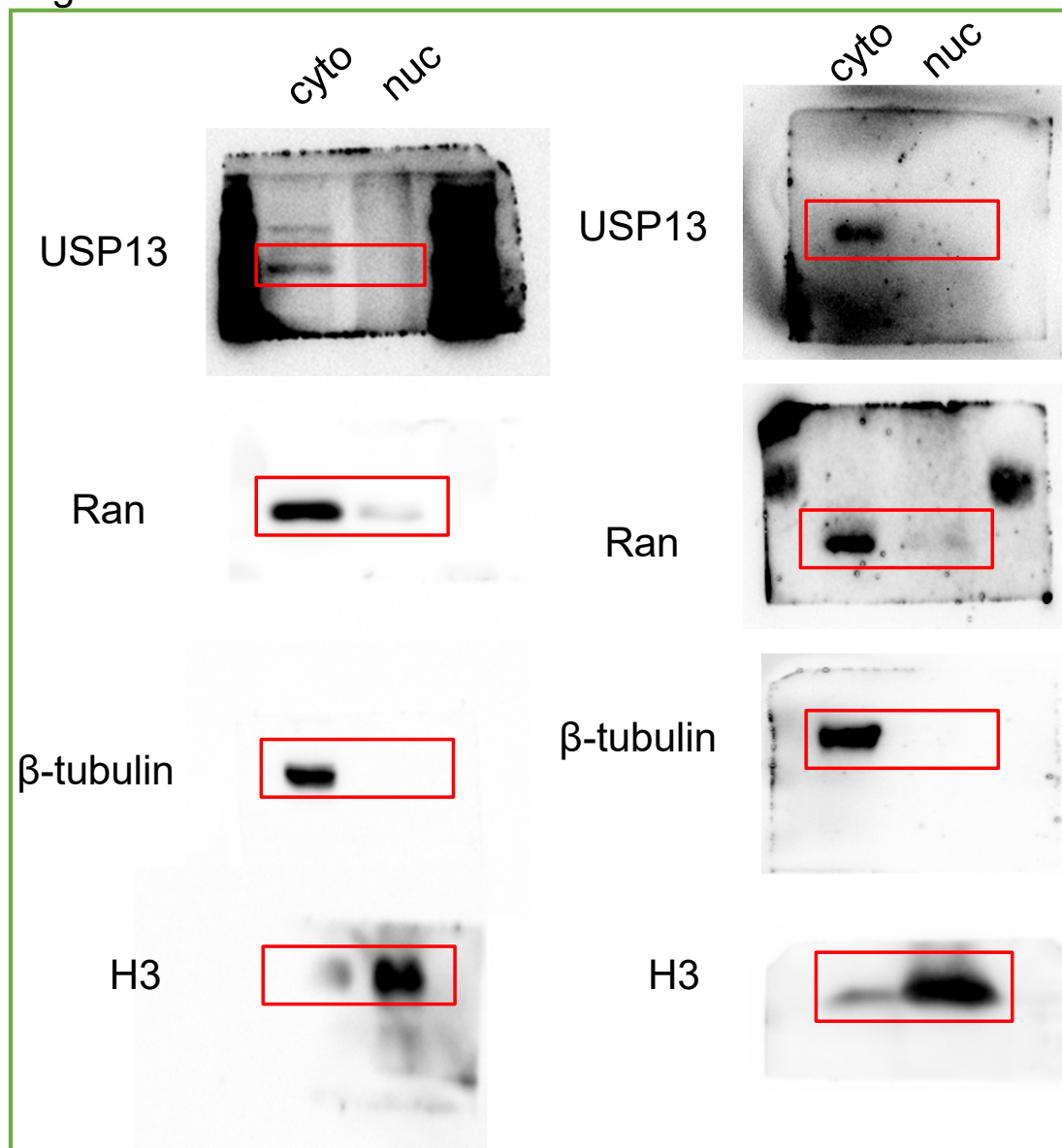


Figure 2H

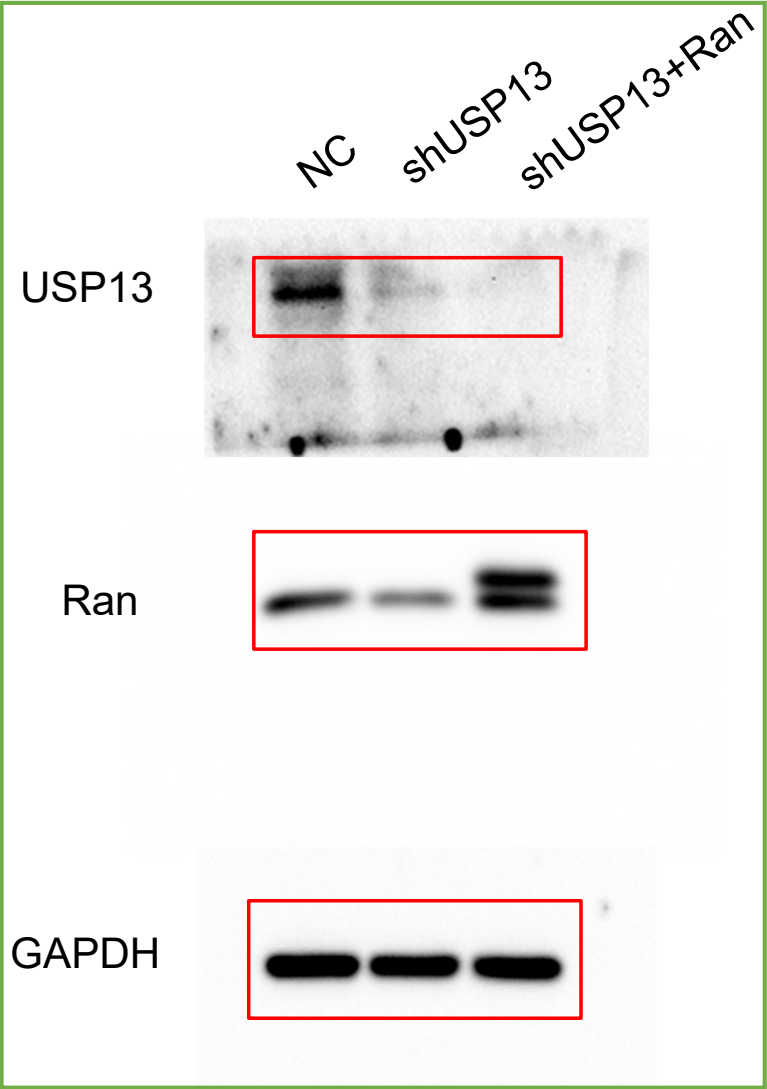


Figure 2I

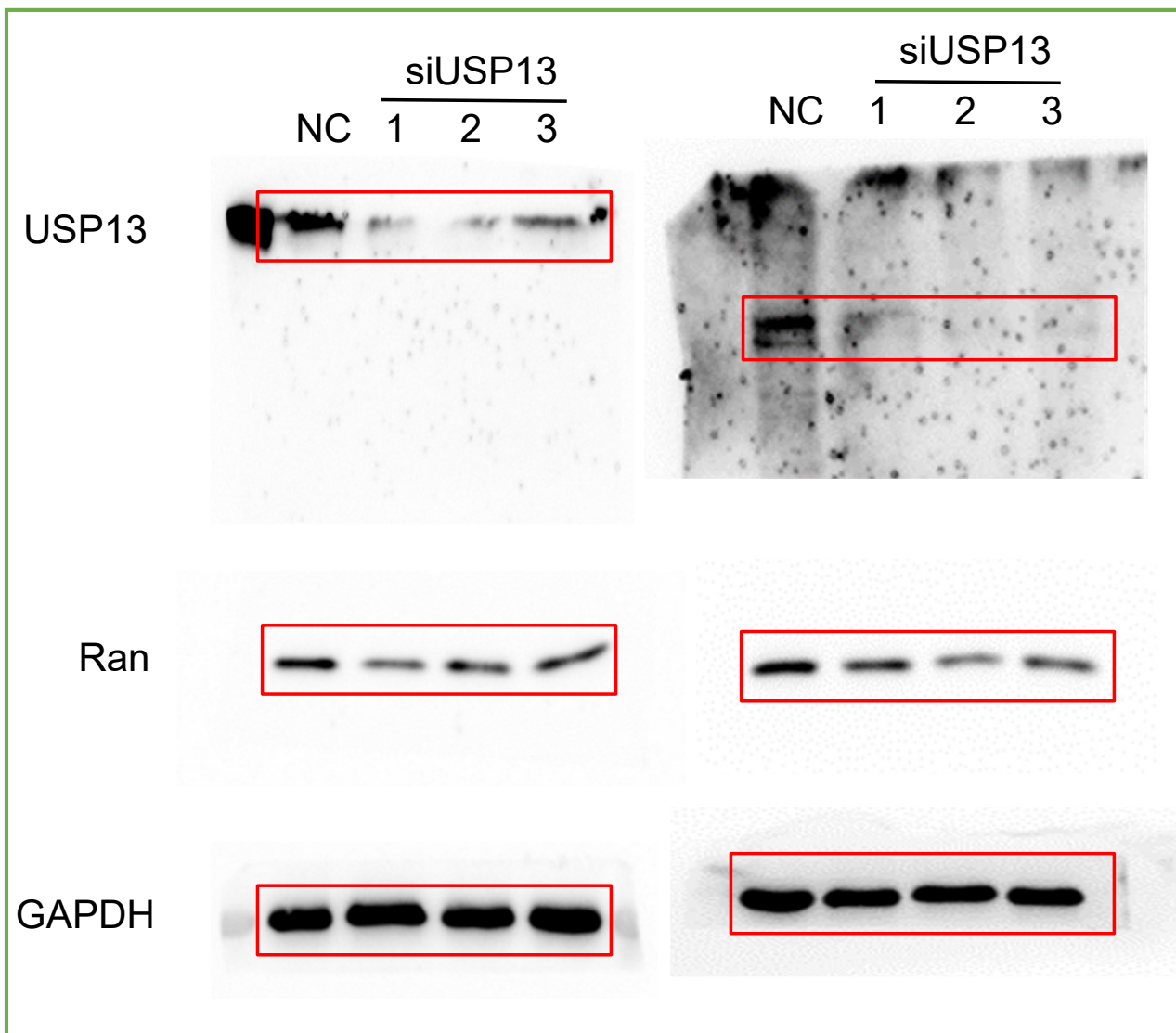


Figure 2K

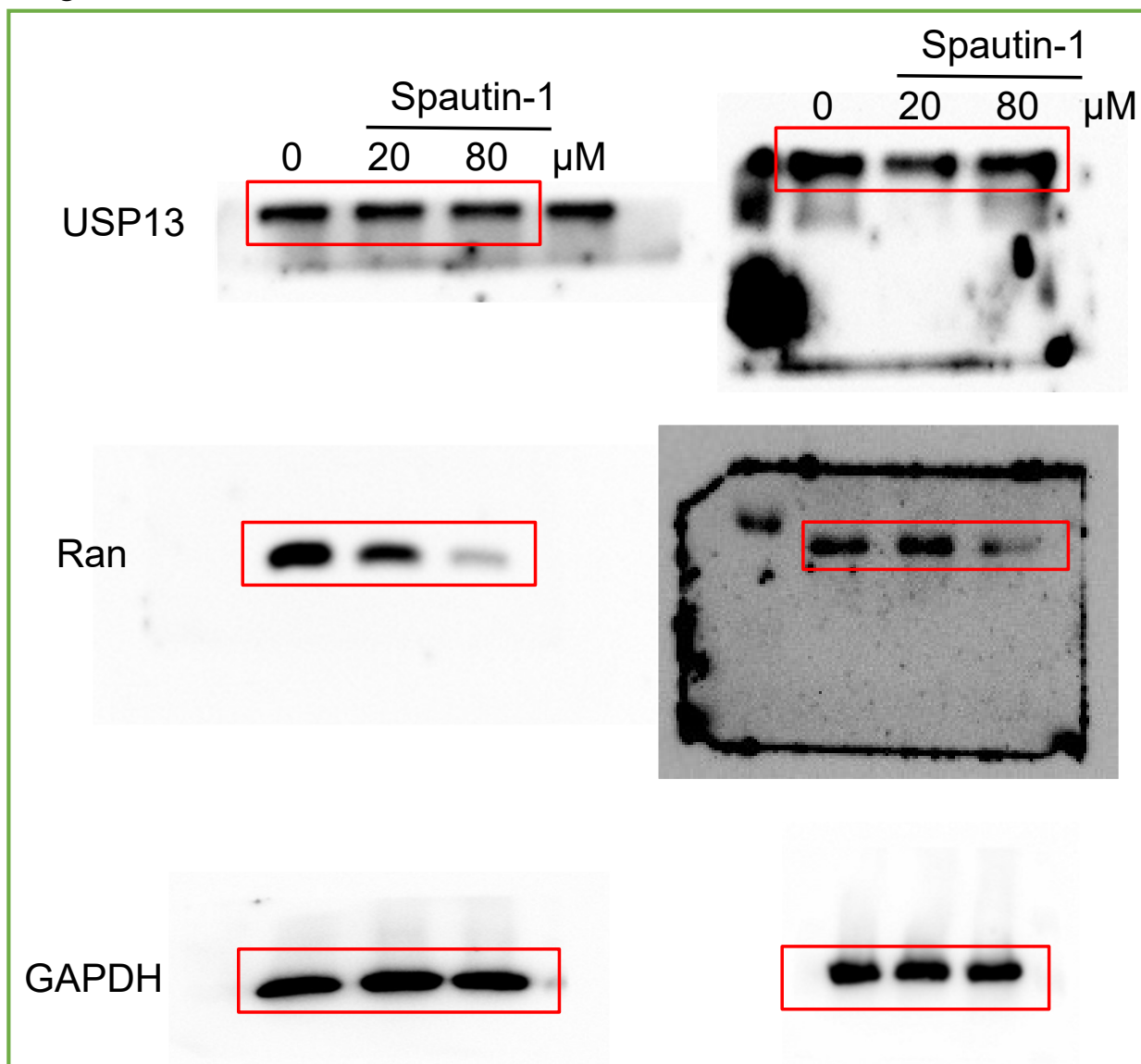


Figure 2L

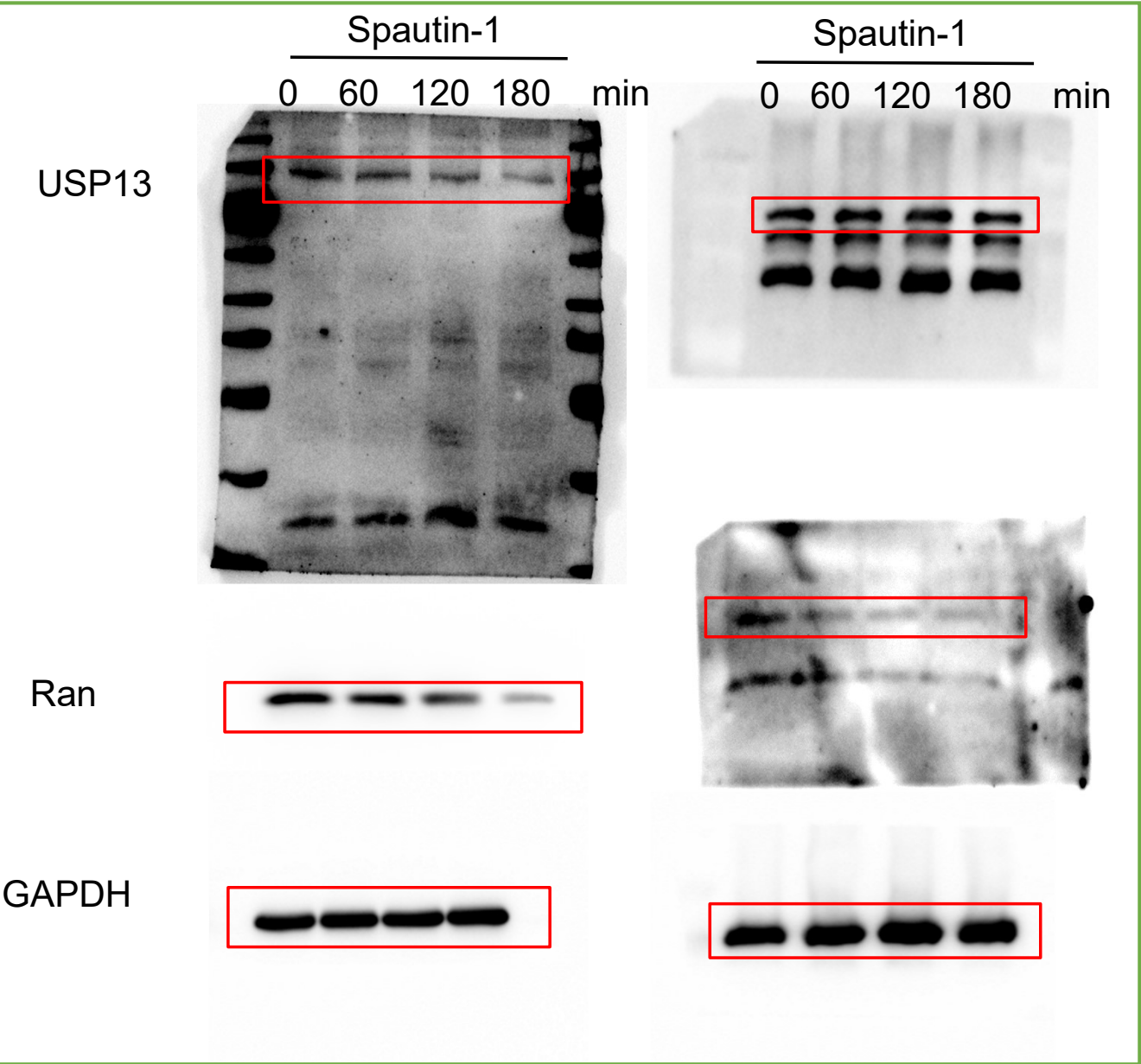
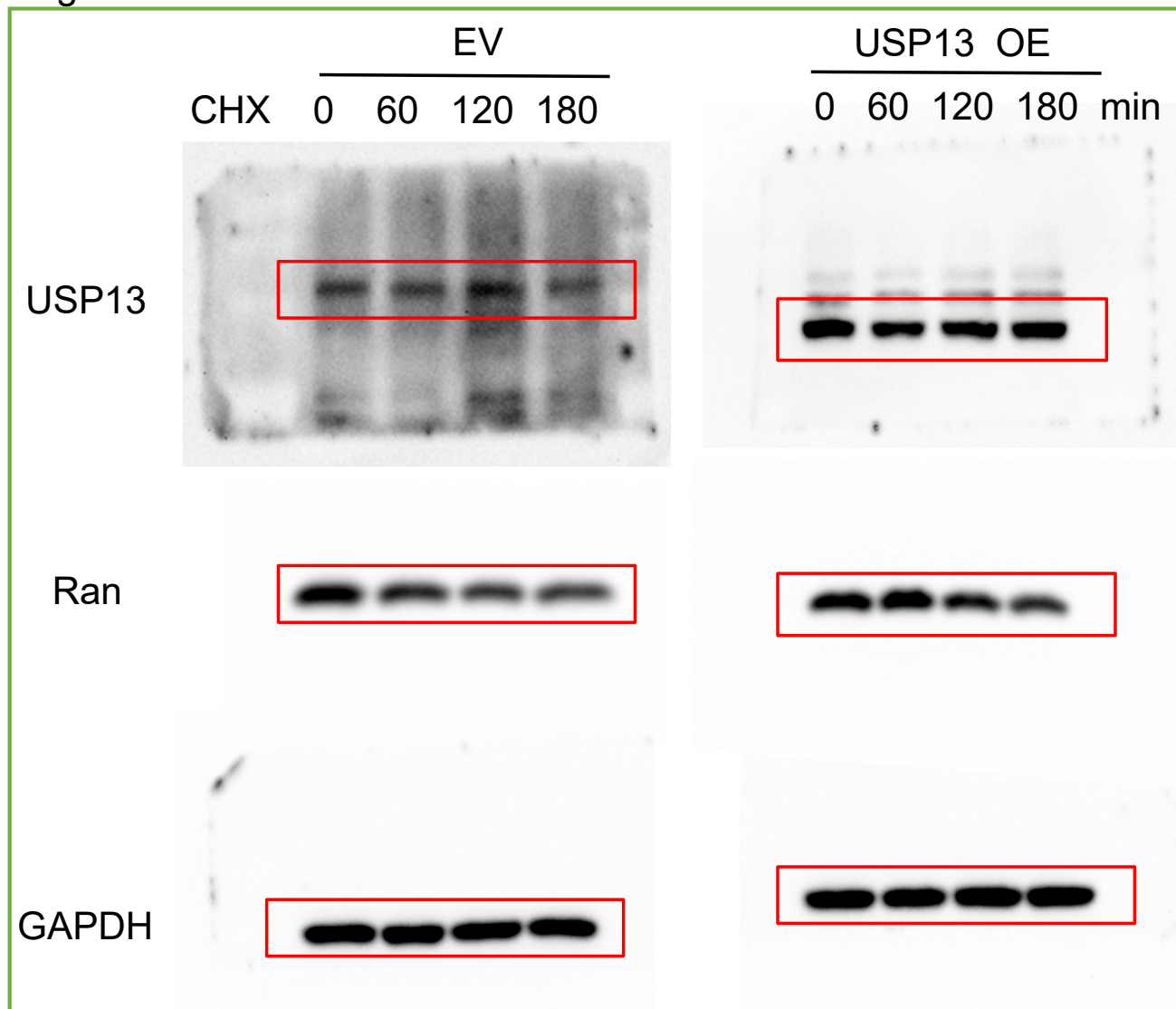


Figure 2M



Western blot analysis showing the levels of USP13, Ran, and GAPDH protein in cells treated with cycloheximide (CHX) and either negative control (NC) or siUSP13. The blots are arranged in a 3x2 grid. The top row shows USP13, the middle row shows Ran, and the bottom row shows GAPDH. The columns are labeled NC and siUSP13. The NC column has lanes for CHX, 0, 60, 120, and 180 minutes. The siUSP13 column has lanes for 0, 60, 120, and 180 minutes. Red boxes highlight the protein bands. USP13 levels decrease over time in the NC lane but remain stable in the siUSP13 lane. Ran and GAPDH levels are stable in both lanes.

Protein	Condition	Time (min)	Relative Protein Level
USP13	NC	CHX	High
		0	High
		60	High
		120	High
		180	High
USP13	siUSP13	0	High
		60	High
		120	High
		180	High
Ran	NC	0, 60, 120, 180	Stable
	siUSP13	0, 60, 120, 180	Stable
GAPDH	NC	0, 60, 120, 180	Stable
	siUSP13	0, 60, 120, 180	Stable

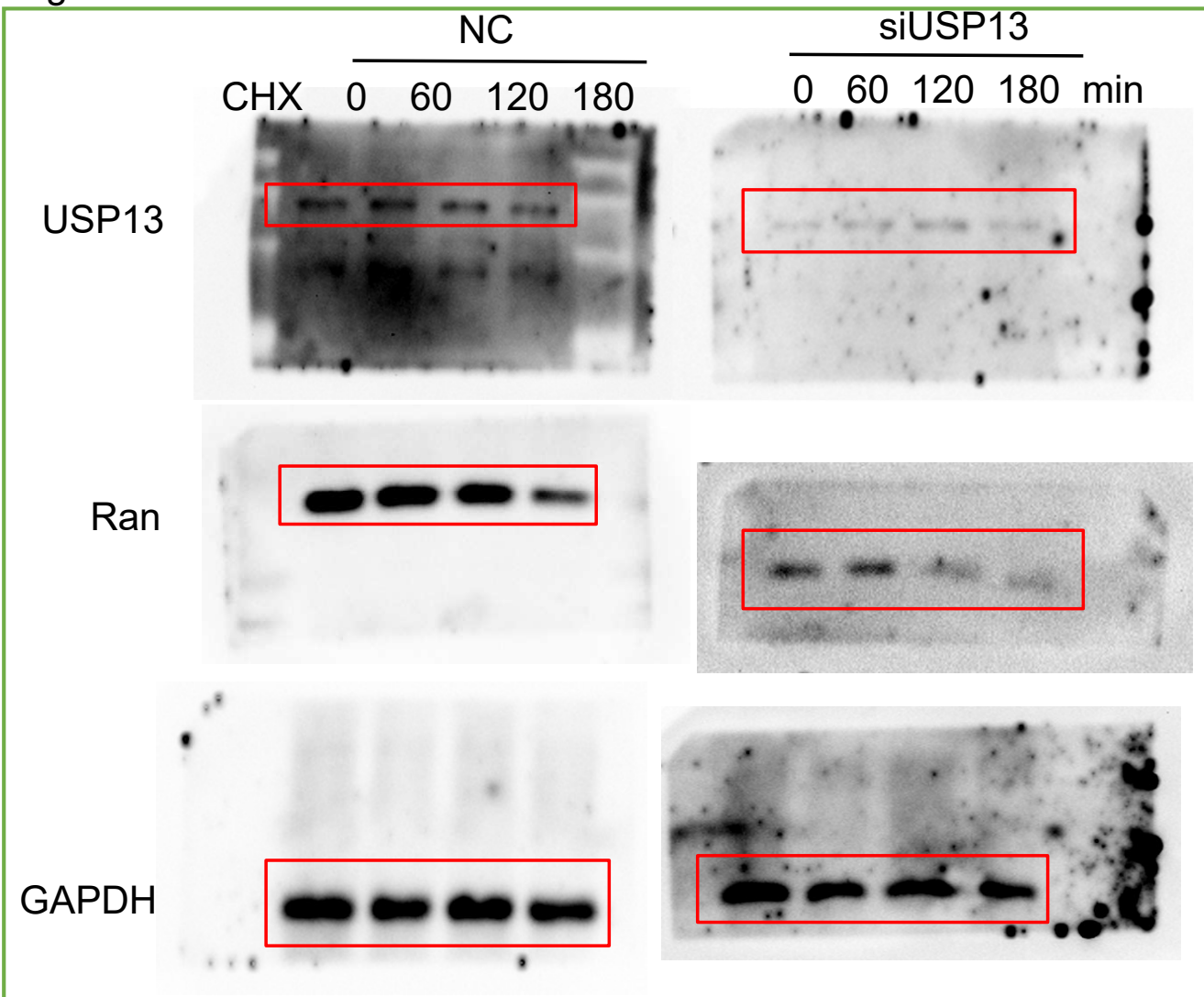


Figure 20

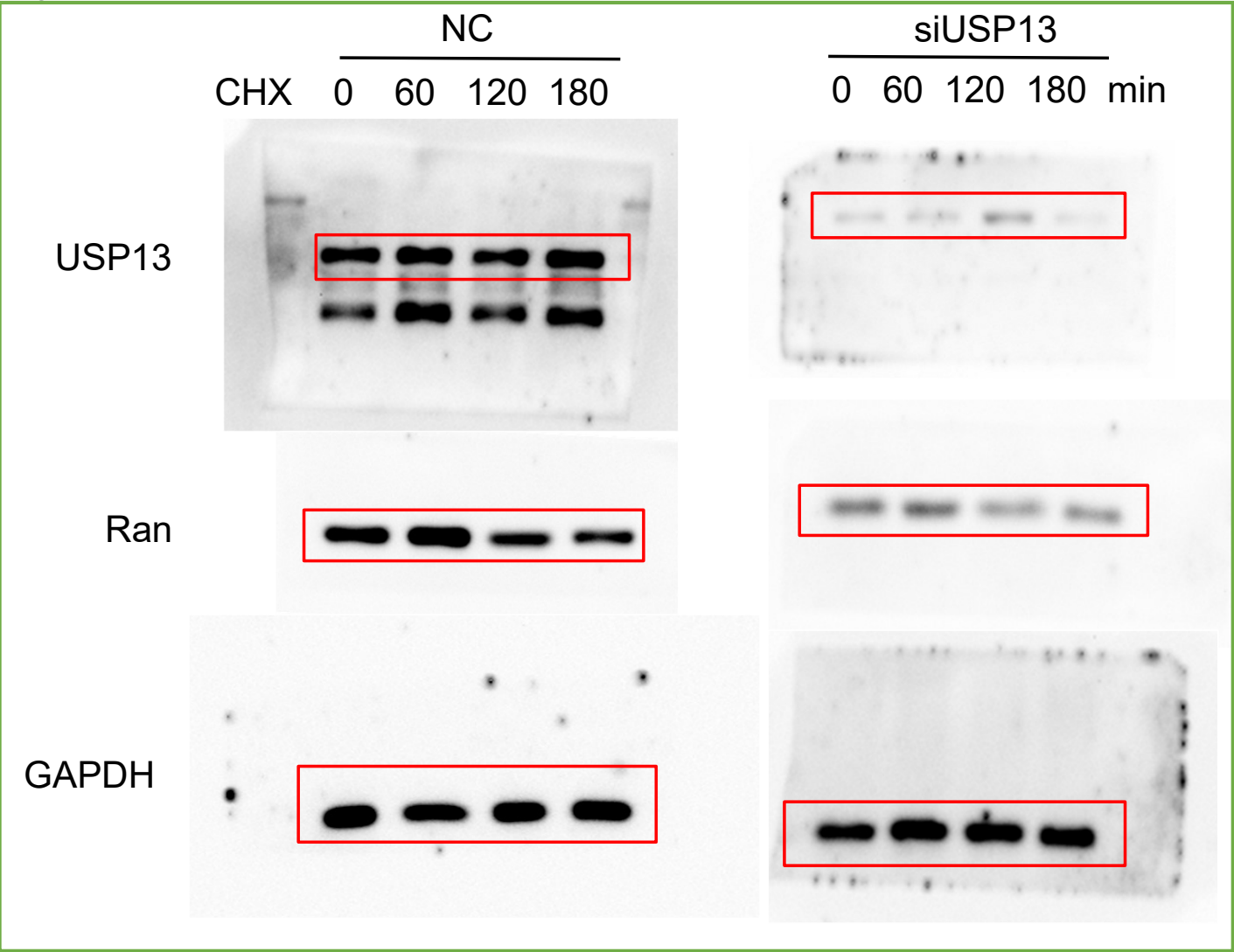


Figure 3A

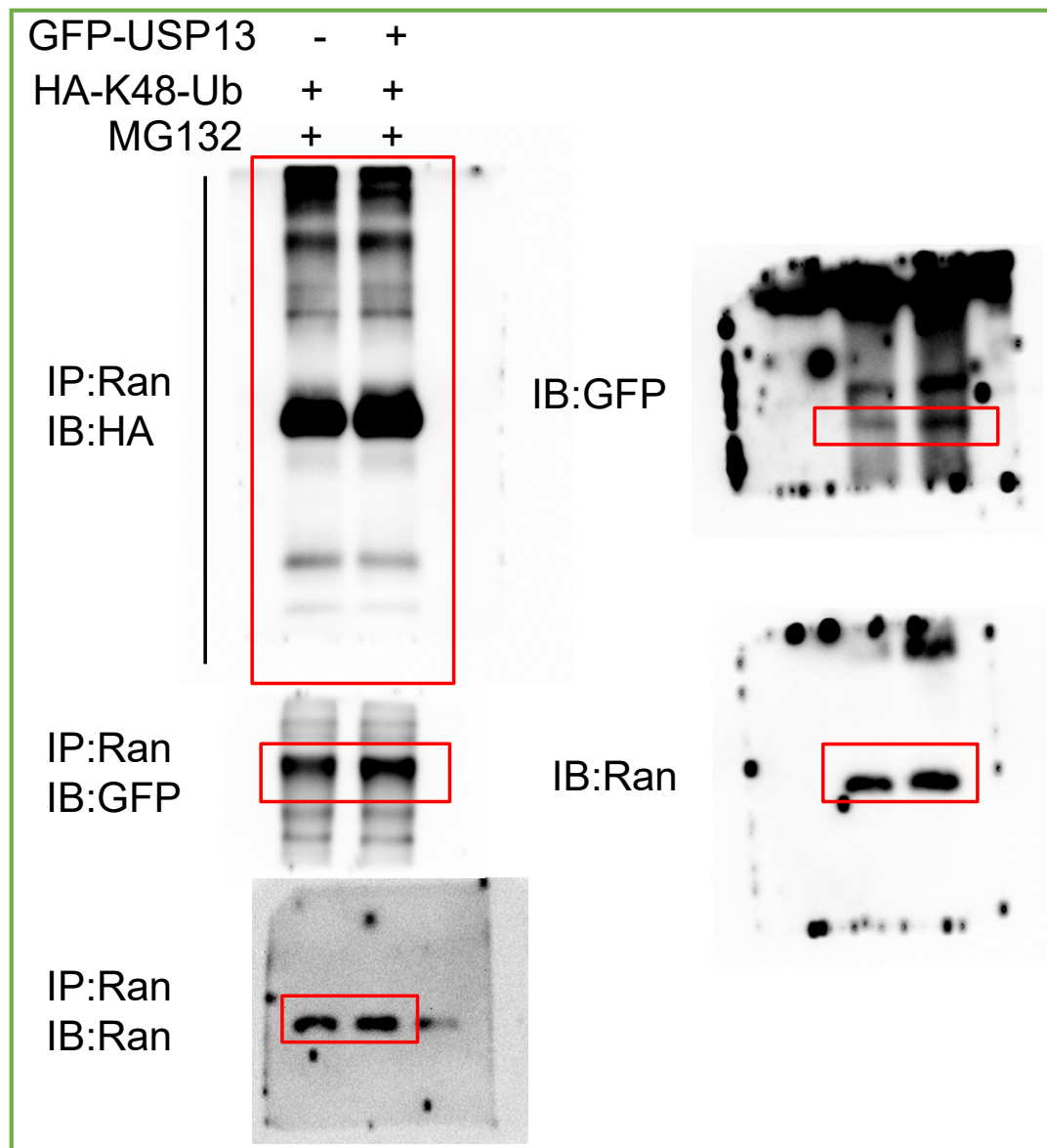
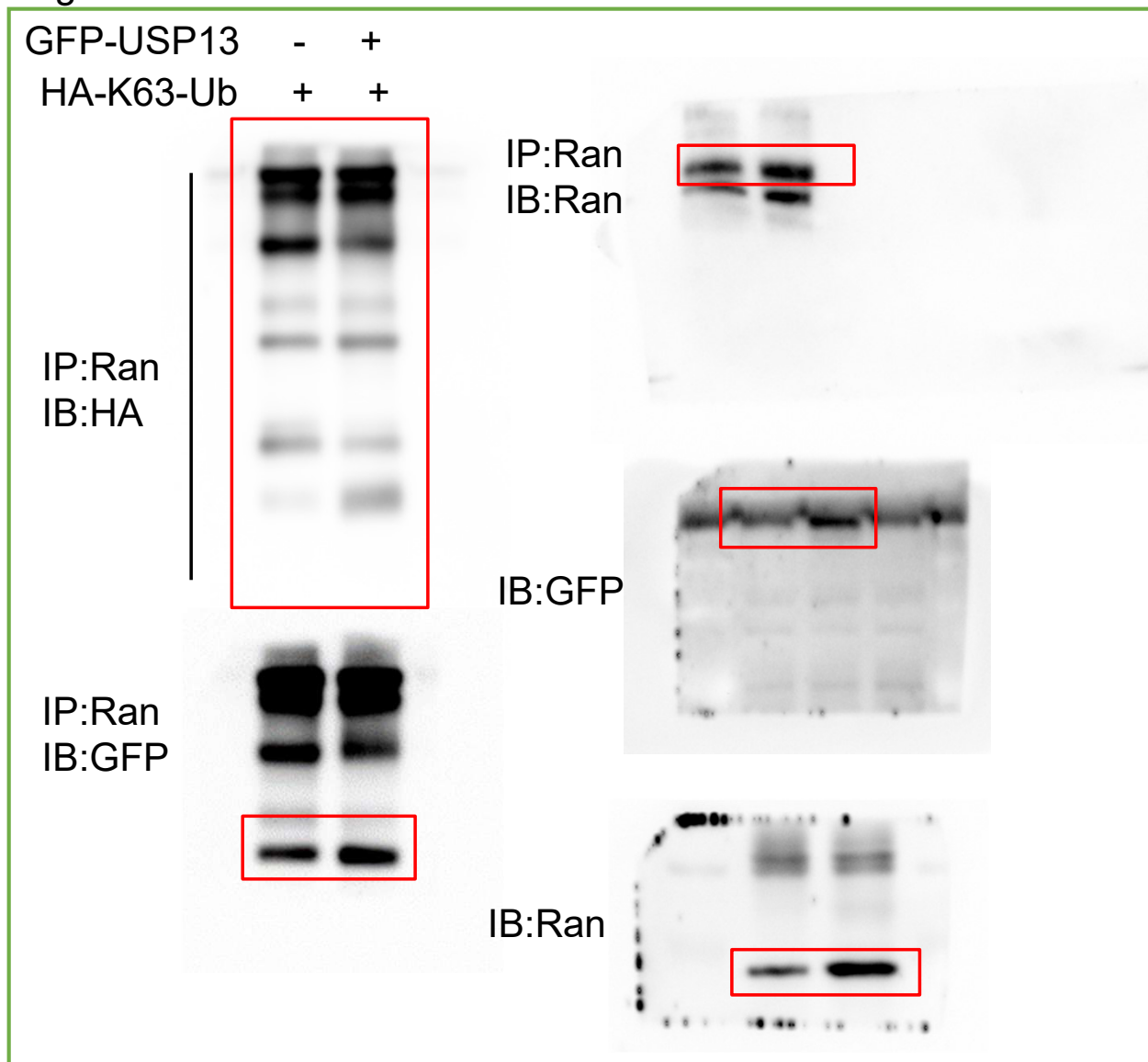


Figure 3B



GFP-USP13	-	+
HA-K11-Ub	+	+
MG132	+	+

IP:Ran
IB:HA

IP:Ran
IB:GFP

IB:Ran

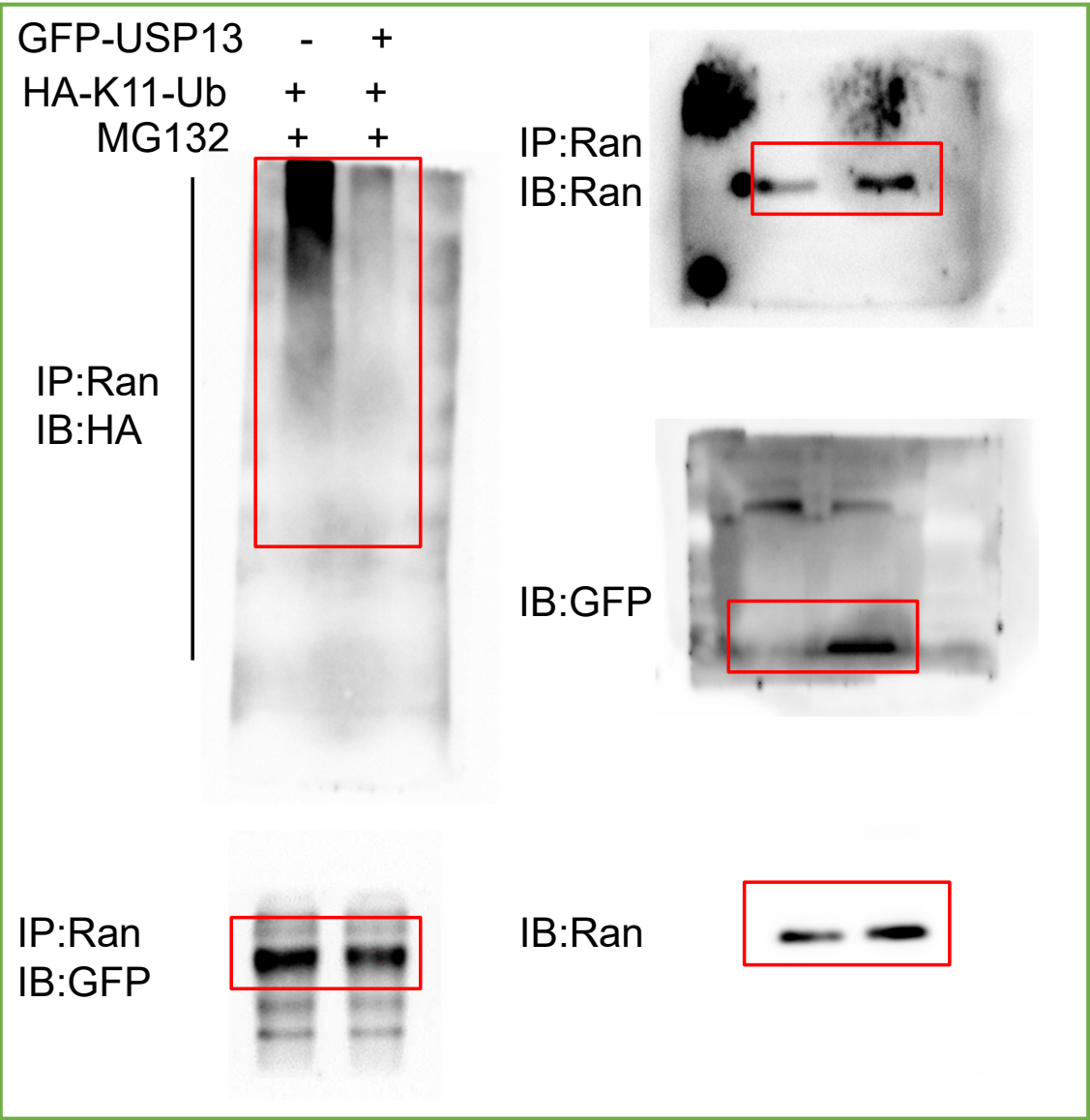


Figure 3D

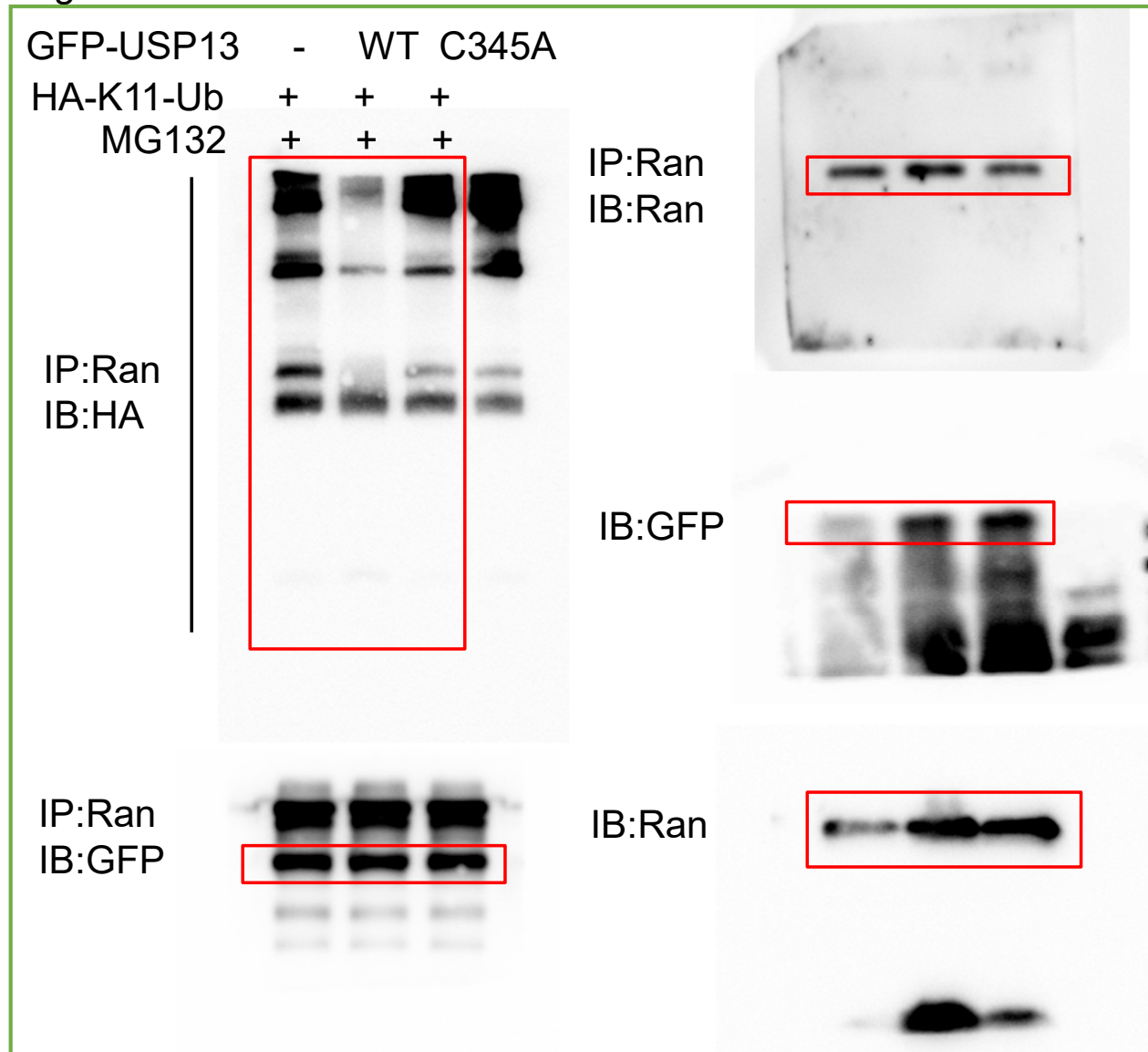


Figure 3E

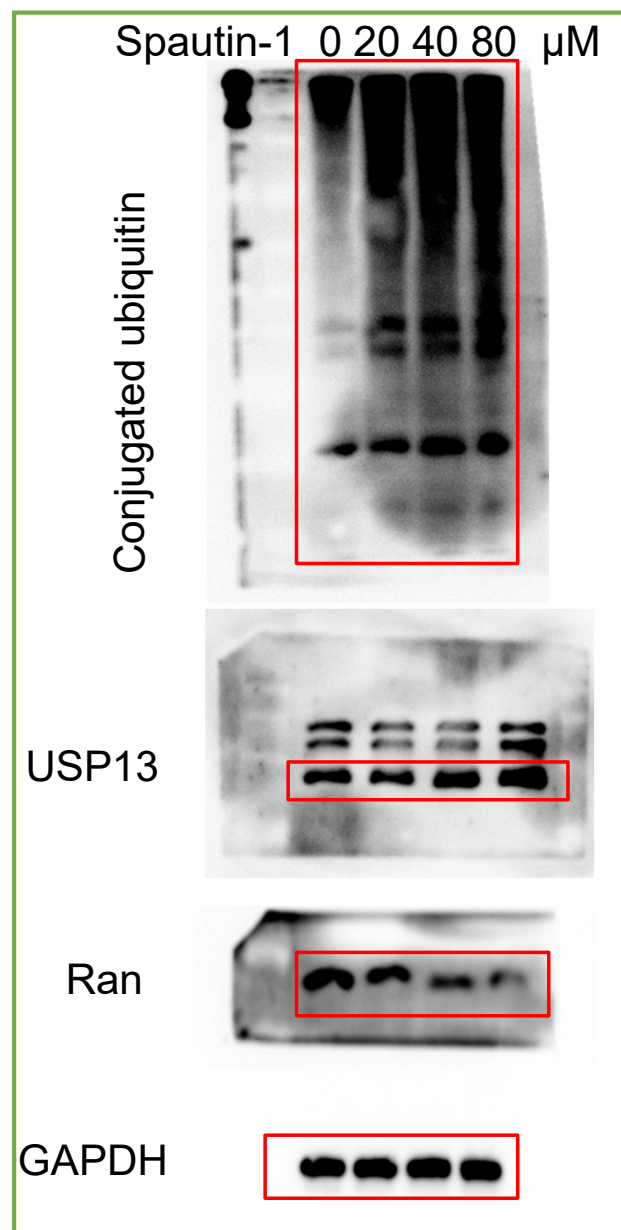


Figure 3F

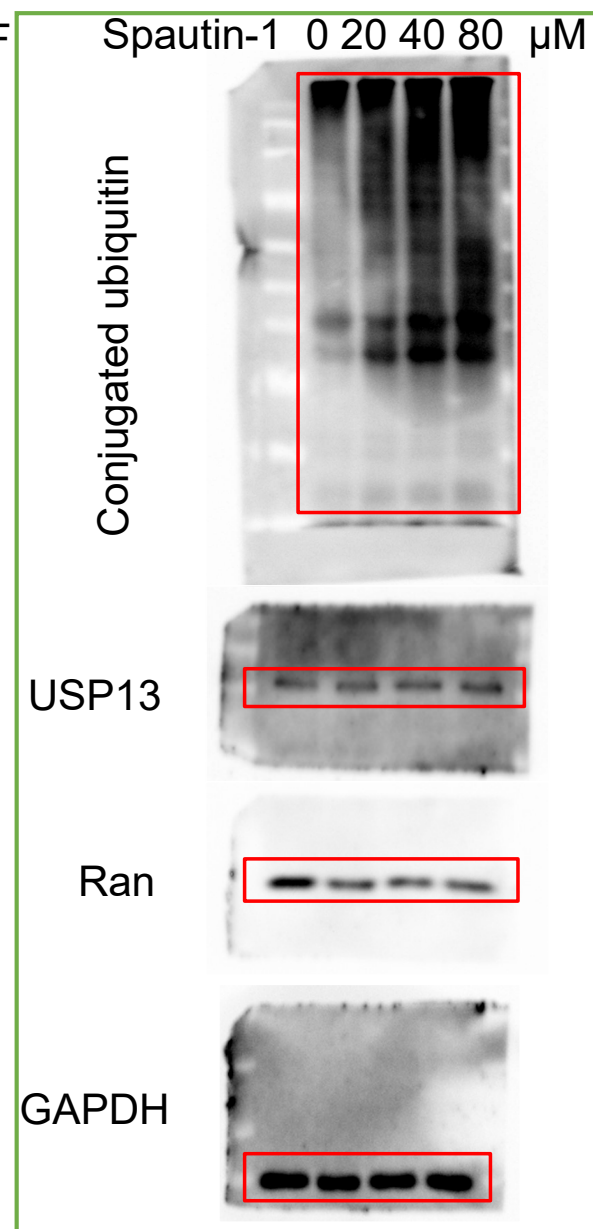


Figure 3G

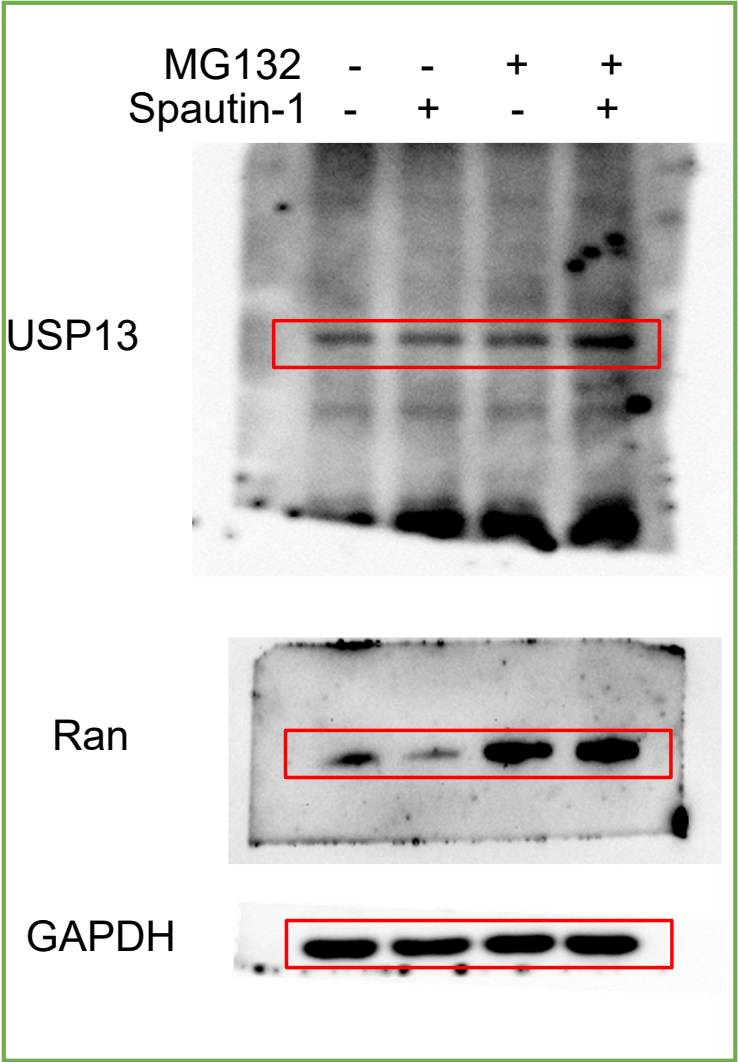
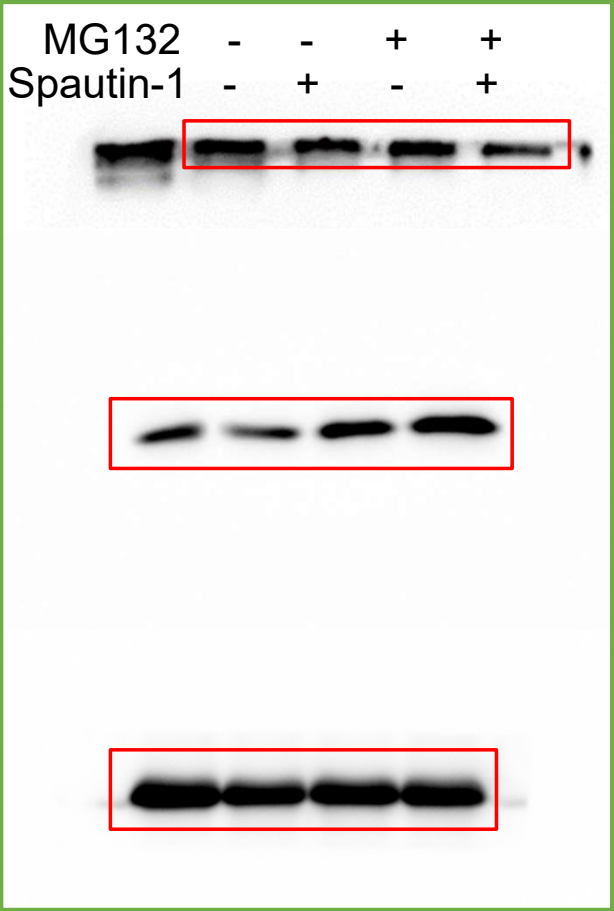
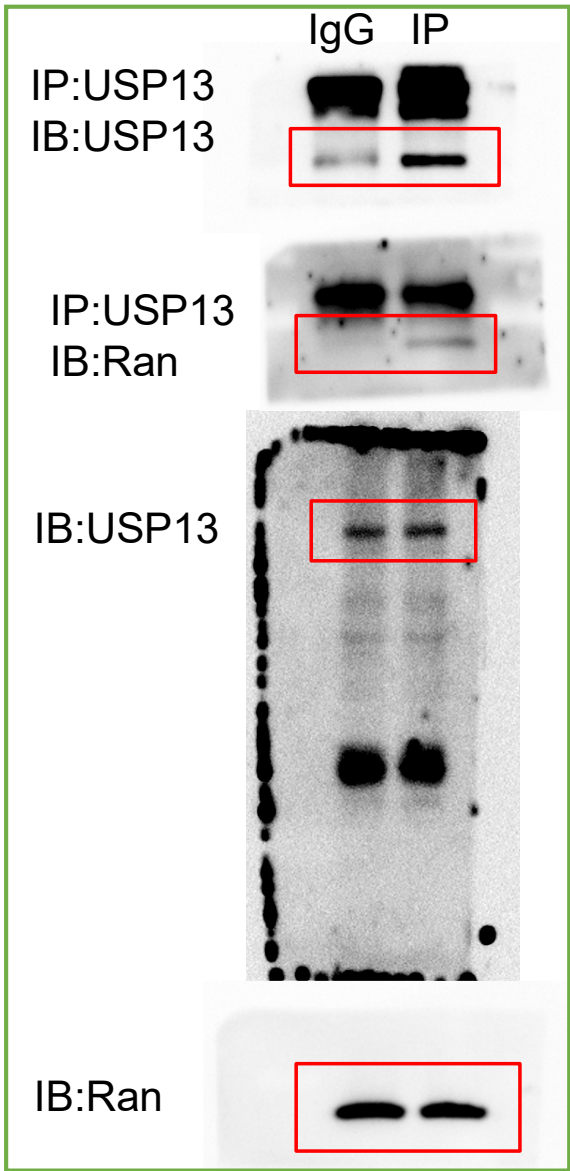


Figure 3H

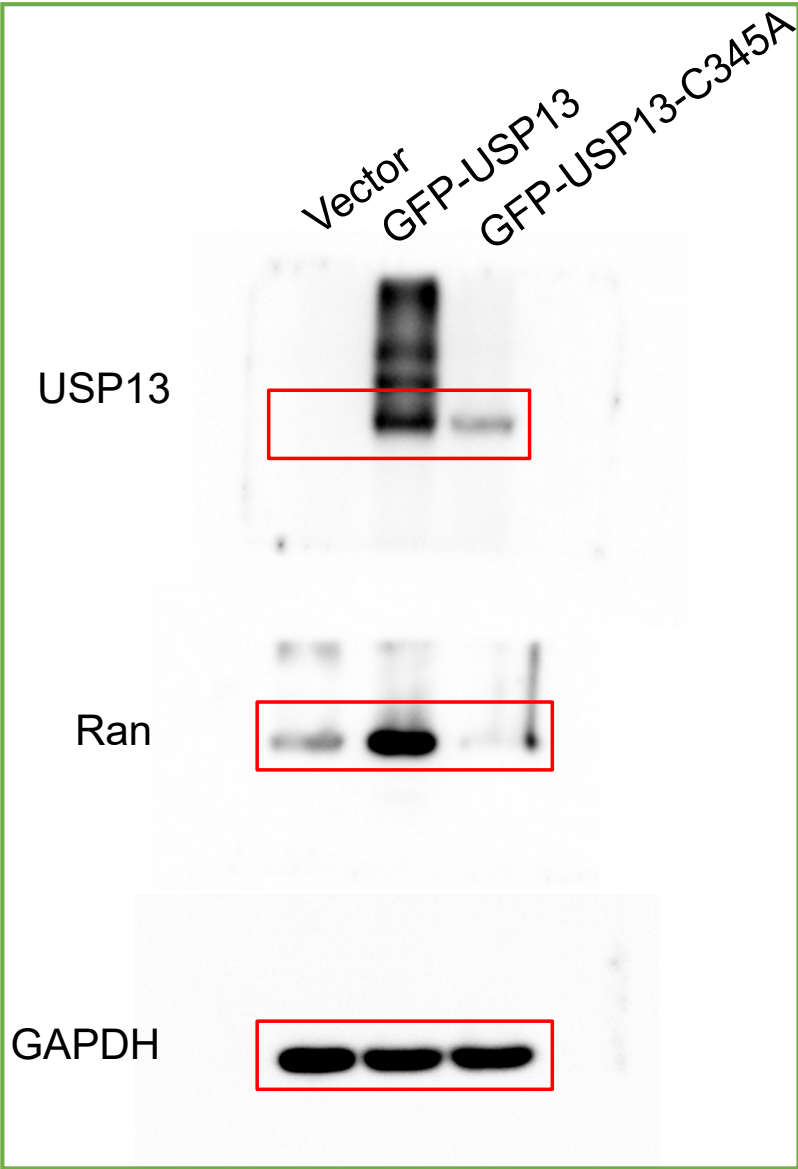


Supplemental figure 2

A



B



D

