

Table S5**Antibodies for Immunohistochemistry.**

Target Protein	ID	Company	Dilution
Ki67	NCL-Ki67-P	Novocastra, Leica Biosystems, Wetzlar, Germany	1:1000
cleaved caspase 3	#9661	Cell Signaling, Danvers, MA, US	1:100
STAT3	sc-7179	Santa Cruz, Dallas, Texas	1:200
phospho-STAT3	#9145	Cell Signaling, Danvers, MA, US	1:80
STAT1	#9175	Cell Signaling, Danvers, MA, US	1:100
phospho-STAT1	#9167	Cell Signaling, Danvers, MA, US	1:100
ALK	51-3900	Cell Signaling, Danvers, MA, US	1:50