

Supplemental Table 1.**Antibody List**

Name	Company	more details	ID
STAT3	Cell Signaling	-	#9132
Phospho-STAT3	Cell Signaling	Tyr705	#9131
STAT5	Cell Signaling	-	#9363
Phospho-STAT5	Cell Signaling	Tyr694	#9359
JAK2	Cell Signaling	24B11	#3229
Phospho-JAK2	Cell Signaling	Tyr1007/8	#3771
AKT	Santa Cruz	N-19	Sc-1619
Phospho-AKT	Cell Signaling	Ser473	#9271
ERK	Cell Signaling	C-16	sc-93
Phospho-ERK	Santa Cruz	E4	Sc-7383
JNK	Santa Cruz	D-2	Sc-7345
Phospho-JNK	Santa Cruz	G-7	Sc-6254
Bcl-XL	Cell signaling	54H6	#2764
p21 ^{WAF1}	Santa Cruz	C-19	sc-397
p27 (CDKN1B)	Santa Cruz	N-20	sc-527
PARP	Santa Cruz	H250	Sc-7150
Cyclin A1	Santa Cruz	Q-20	Sc-7253
Cyclin B1	Santa Cruz	D-11	Sc-7393
Cyclin D1	Santa Cruz	C-20	sc-717
Caspase-3	Santa Cruz	H277	Sc-7148
Caspase-9	Cell Signaling	-	#9502
GAPDH	Santa Cruz	4G5	sc-51906