

**Table S1. Antibodies for western blot analysis.**

Antibody	Company	Catalog number
phospho-EGF Receptor (Tyr1068)	Cell Signaling Technology	#3777
EGF Receptor	BD Transduction Laboratories	#610016
SOS1	Cell Signaling Technology	#5890
RASGRP1	Abcam	#ab37927
RASGRP3	Cell Signaling Technology	#3334
phospho-AKT (Ser473)	Cell Signaling Technology	#4060
AKT	Cell Signaling Technology	#9272
phospho-MEK1/2 (Ser217/221)	Cell Signaling Technology	# 9154
MEK1	Cell Signaling Technology	#2352
phospho-ERK (Thr202/Thr204)	Cell Signaling Technology	#4370
ERK1/2	Cell Signaling Technology	#9102
RASA1	Abcam	#ab40677
Neurofibromin	Abcam	#ab17963
CDK2	Cell Signaling Technology	#2546
CDK4	Cell Signaling Technology	#12790
p27 <sup>Kip1</sup>	Cell Signaling Technology	#3686
phospho-Rb (Ser780)	Cell Signaling Technology	#8180
phospho-Rb (Ser807/811)	Cell Signaling Technology	#8516
cleaved PARP	Cell Signaling Technology	#5625
GAPDH	Cell Signaling Technology	#3683
Actin	Cell Signaling Technology	#4986