

Supplemental Table 2 Antibodies Used in Western Blot and Immunostaining

Peptide/protein target	Antigen sequence (if known)	Name of Antibody	Manufacturer, catalog #, and/or name of individual providing the antibody	Species raised in; monoclonal or polyclonal	RRID
Phospho-MEK1/2 (Ser217/221)	a synthetic phosphopeptide (KLP-coupled) corresponding to residues around Ser217/221 of human MEK1/2.	Phospho-MEK1/2 (Ser217/221) mAb	Cell Signaling Technology, Inc., catalog #9154	monoclonal IgG in Rabbit	AB_2138017
MEK1/2	a synthetic peptide (KLH coupled) covering the conserved region of human, rat and mouse MEK1/2.	MEK1/2 Antibody (for total MEK1/2)	Cell Signaling Technology, Inc., catalog #9122	polyclonal in Rabbit	AB_823567
Activated (Diphosphorylated) ERK1/2	a synthetic peptide (KLH coupled) with HTGFLTpEYpVAT sequence corresponding to the phosphorylated form of ERK-activation loop	Diphosphorylated ERK1/2 mAb	Sigma-Aldrich Co. , catalog #M8159	monoclonal IgG1 in Mouse	
ERK-1/2	a synthetic peptide (KLH coupled) with RRITVEEALAHPLYEQ YYDPTDE sequence derived from subdomain-XI of human ERK1/2.	ERK1/2 Antibody (for total ERK1/2)	Sigma-Aldrich Co. , catalog #M5670	polyclonal in Rabbit	
Phospho-Akt (Ser473)	a synthetic phosphopeptide (KLH-coupled) corresponding to residues surrounding Ser473 of mouse Akt.	Phospho-Akt (Ser473) Antibody	Cell Signaling Technology, Inc., catalog #92705	polyclonal in Rabbit	AB_10694411
Akt	a synthetic peptide (KLH-coupled) derived from the carboxy-terminal sequence of mouse Akt.	Akt Antibody (for total Akt)	Cell Signaling Technology, Inc., catalog #9272	polyclonal in Rabbit	AB_329827
Phospho-p₃₈MAPK (Thr180/Tyr182)	a synthetic phosphopeptide (KLP-coupled) corresponding to residues surrounding Thr180/Tyr182 of human p38MAP kinase	Phospho-p ₃₈ MAPK (Thr180/Tyr182) Antibody	Cell Signaling Technology, catalog #5140	polyclonal in Rabbit	
p₃₈MAPK	a synthetic peptide (KLP-coupled) derived from human p ₃₈ MAP kinase	p ₃₈ MAPK Antibody (for total p ₃₈ MAPK)	MBL International, catalog # JM-3114-100	IgG in Rabbit	AB_592669
β Actin	a synthetic peptide (KLH coupled) covering the conserved region of human, rat and mouse Actin.	Anti-Actin mAb	Calbiochem, catalog #CP01	monoclonal IgM in Mouse	
carp somatolactin alpha	Recombinant carp SLα (GenBank No EF372074.1)	Antiserum against carp SLα	Prof AOL Wong, HKU, Hong Kong	polyclonal in Rabbit	AB_2631193
carp somatolactin beta	Recombinant carp SLβ (GenBank No EF372075.1)	Antiserum against carp SLβ	Prof AOL Wong, HKU, Hong Kong	polyclonal in Rabbit	AB_2631194

Abbreviations: KLH, keyhole limpet hemocyanin; mAb, monoclonal antibody.