

AB-PK913

Raf1-pS338 Antibody

Phosphosite-specific rabbit polyclonal antibody for Raf1 (c-Raf; RafC). This phosphoserine-site antibody also cross-reacts with phosphothreonine and phosphotyrosine substitutions in the phosphosite.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Raf1 proto-oncogene-encoded protein-serine kinase
Protein Alias:	cRaf; c-Raf; c-Raf; Kinase Raf1; Murine leukemia viral (V-raf-1) oncogene homologue 1; NS5; Protein kinase raf 1; Raf proto-oncogene serine/threonine-protein kinase; Raf1; V-raf-1 murine leukemia viral oncogene 1; CCDS2612.1; ENSG00000132155; B4E1N6; Q59HC8
UniProt ID:	P04049
Protein Molecular Mass:	75,395 Da (668 AA; P04049-2); 73,052 Da (648 AA; P04049)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Raf1
Antibody Immunogen Sequence:	CGQRD(pS)SYY
Antibody Immunogen Description:	Corresponds to amino acid residues G334 to Y341. S338 phosphorylation stimulates phosphotransferase activity, induces interaction with Bcl-2, and regulates conformation, intracellular location. This is one of the minor sites of <i>in vivo</i> phosphorylation of Raf1 based on ≥ 9 mass spectrometry reports recorded in PhosphoSitePlus. Raf1 is known to be phosphorylated at this site <i>in vitro</i> by MEK1, PAK1, PAK2, PAK3 (STK4), Raf1, and Src.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus Macaque Dog Rat Mouse Chicken Frog Zebra fish Tiger blowfish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987