

AB-PK946

RIPK1-pS320 Antibody

Phosphosite-specific rabbit polyclonal antibody for RIPK1 (RIP; RIPK)



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Target Protein

Protein Name Long:	Receptor-interacting protein-serine kinase 1
Protein Alias:	RIK1; RIP
UniProt ID:	Q13546
Protein Molecular Mass:	75,931 Da (671 AA; Q13546); 70,733 Da (625 AA; Q13546-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human RIPK1
Antibody Immunogen Sequence:	RMQ(pS)LQLDC
Antibody Immunogen Description:	Corresponds to amino acid residues R317 to D324. S320 phosphorylation inhibits phosphotransferase activity. This is a major site of <i>in vivo</i> phosphorylation of RIPK1 based on ≥ 61 mass spectrometry reports recorded in PhosphoSitePlus. RIPK1 is known to be phosphorylated at this site <i>in vitro</i> by MAPKAPK2, TAK1 (MAP3K7), and ULK1.
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 multi-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

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