

AB-PP524

PTPRK-pY916 Antibody

Phosphosite-specific rabbit polyclonal antibody for PTPRK (PTP-kappa)



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Target Protein

Protein Name Long:	Receptor-type tyrosine-protein phosphatase kappa
Protein Alias:	EC 3.1.3.48; Protein tyrosine phosphatase, receptor type, K; Protein-tyrosine phosphatase kappa; PTPK; PTP-kappa; R-PTP-kappa
UniProt ID:	Q15262
Protein Molecular Mass:	162,102 Da (1,439 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PTPRK
Antibody Immunogen Sequence:	CAKNR(pY)GNI
Antibody Immunogen Description:	Corresponds to amino acid residues A912 to I919. The effect of Y916 phosphorylation is unclear. This is one of the major sites of <i>in vivo</i> phosphorylation of PTPRK (≥ 75 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is highly conserved in vertebrates and also found in the nematode worm.
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 multipепptide 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:	0.5 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 Dog Rat Mouse Fruit fly Nematode worm

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