

AB-PK931

EphA4-pY779 Antibody

Phosphosite-specific rabbit polyclonal antibody for EphA4



KINEXUS

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:	Ephrin type-A receptor 4 protein-tyrosine kinase
Protein Alias:	EC 2.7.1.112; EC 2.7.10.1; EPH receptor A4; HEK8; Receptor protein-tyrosine kinase HEK8; SEK; TYRO1; Tyrosine-protein kinase receptor SEK
UniProt ID:	P54764
Protein Molecular Mass:	109,860 Da (986 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human EphA4
Antibody Immunogen Sequence:	EAA(pY)TTRGC
Antibody Immunogen Description:	Corresponds to amino acid residues E776 to G783. Y779 phosphorylation stimulates phosphotransferase activity. This is the major <i>in vivo</i> phosphorylation sites with ≥ 723 mass spectrometry reports recorded in PhosphoSitePlus. EphA4 is known to be phosphorylated at this site <i>in vitro</i> by EphA4.
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:	0.45 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 Rhesus Macaque Dog Mouse Platypus Chicken Frog Zebra fish

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

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