

AB-PK968

ERK5-pT219 Antibody

Phosphosite-specific rabbit polyclonal antibody for ERK5 MAP kinase.



KINEXUS

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Target Protein

Protein Name Long:	Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1))
UniProt ID:	Q13164
Protein Molecular Mass:	88,386 Da (816 AA; Q13164); 73,218 Da (677 AA; Q13164-2); 59,328 Da (533 AA; Q13164-3); 50,152 Da (451 AA; Q13164-4)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ERK5
Antibody Immunogen Sequence:	QYFM(pT)E(bA)C
Antibody Immunogen Description:	Corresponds to amino acid residues Q215 to E220
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 µg
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 Rat Mouse

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