

AB-PK947

ROCK1-pT233 Antibody

Phosphosite-specific rabbit polyclonal antibody for ROCK1 (ROK β)



KINEXUS

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Target Protein

Protein Name Long:	Rho-associated protein kinase 1
Protein Alias:	Kinase Rock1 ;p160Rock; Rho-associated, coiled-coil containing protein kinase 1; Rho-associated, coiled-coil forming protein kinase p160 Rock-1; Rock-I; ROK-beta
UniProt ID:	Q13464
Protein Molecular Mass:	158,175 Da (1354 AA; Q13464)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ROCK1
Antibody Immunogen Sequence:	RSD(pT)AVG(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues R230 to G236. The effect of T233 phosphorylation is unclear. This site has not been reported as phosphorylated <i>in vivo</i> as confirmed by mass spectrometry in PhosphoSitePlus. However, it is highly conserved and found in zebrafish.
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 multipеп 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:	0.8 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 Rat Mouse Frog Chicken Zebra fish

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