

AB-NK290-2 PKG2-BKCD Antibody



KINEXUS

Pan-specific rabbit polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PKG2 (PRKG2)

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Target Protein

Protein Name Long:	cGMP-dependent protein kinase 2
Protein Alias:	cGK 2; cGKII; KGP2; Kinase cGMP-dependent protein kinase 2PKG2; PRKG2; PRKGR2; Protein kinase, cGMP-dependent, type II; Type II cGMP-dependent protein kinase
UniProt ID:	Q13237
Protein Molecular Mass:	87,432 Da (762 AA; Q13237); 84,398 Da (733 AA; Q13237-2)

Immunogen

Antibody Immunogen Source:	Synthetic peptide patterned after human PKG2
Antibody Immunogen Sequence:	CSNWKLSKALSLEMIQLKEK
Antibody Immunogen Description:	Corresponds to amino acid residues S422 to K440.
Antibody Target Type:	Pan-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 multipep 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 µg
Antibody Concentration:	0.25 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 Rat Mouse
Antibody Positive Control:	

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