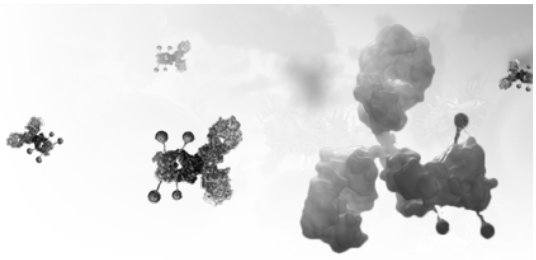

Anti-PRKG2 polyclonal antibody (DPABH-26670)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.
Immunogen	Synthetic peptide from Human CGK2, conjugated to KLH.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituents: 50% Glycerol, PBS, pH 7.2

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Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PRKG3 protein kinase, cGMP-dependent, type II [Homo sapiens]
Official Symbol	PRKG2
Synonyms	PRKG2; protein kinase, cGMP-dependent, type II; cGK2; cGKII; PRKGR2; cGMP-dependent protein kinase 2; cGMP-dependent protein kinase II;
Entrez Gene ID	5593
Protein Refseq	NP_001269409.1
UniProt ID	B7ZA25
Pathway	Ca2+ pathway; Circadian entrainment; Gap junction; Long-term depression
Function	ATP binding; cGMP binding; cGMP-dependent protein kinase activity; protein kinase activity

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