

Rabbit PRKG2 Polyclonal Antibody | anti-PRKG2 antibody

PRKG2 Polyclonal Antibody

CATALOG # AAA167747	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

PRKG2; Polyclonal Antibody; PRKG2 Polyclonal Antibody; cGKII; PRKGR2; anti-PRKG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.8mg/mL (varies by lot)
Sequence Length	762
Applicable Applications for anti-PRKG2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human PRKG2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded Human cervical cancer using PRKG2 Polyclonal Antibody at dilution of 1:20



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer using PRKG2 Polyclonal Antibody at dilution of 1:20



WB (Western Blot)

Western Blot analysis of Mouse brain and lung tissue using PRKG2 Polyclonal Antibody at dilution of 1:160

ADDITIONAL INFORMATION

Related Product Information for anti-PRKG2 antibody	cGKII (cGMP-dependent protein kinase type II) is a major receptor of intracellular cGMP and mediates a plethora of physiological responses. cGKII contains a conserved leucine zipper motif at the amino-terminus. It is expressed in small intestine, colon, prostate, and human brain tissues, and the cGKII gene maps to chromosome 4q13. 1-q21. 1. cGKII has been shown to regulate the ion transport system in the intestine. Myristoylation of the penultimate glycine in cGKII appears to be essential for directing cGKII to the membrane, since cGKII is devoid of any hydrophobic transmembrane domains. The translocation of cGKII from the cytosol to the membrane allows it to function properly in regulating intestinal ion transport.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94963107
NCBI GeneID	5593
Molecular Weight	84,398 Da
NCBI Official Full Name	PRKG2 protein
NCBI Official Synonym Full Names	protein kinase, cGMP-dependent, type II
NCBI Official Symbol	PRKG2
NCBI Official Synonym Symbols	cGK2; cGKII; PRKGR2
NCBI Protein Information	cGMP-dependent protein kinase 2; cGMP-dependent protein kinase II
UniProt Protein Name	cGMP-dependent protein kinase 2
UniProt Gene Name	PRKG2
UniProt Synonym Gene Names	PRKGR2; cGK 2; cGK2; cGKII
UniProt Entry Name	KGP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.