

Rabbit anti-Human, Mouse PRKG2 Polyclonal Antibody | anti-PRKG2 antibody

PRKG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307729	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

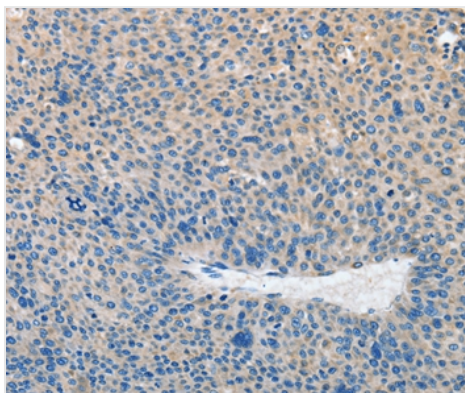
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

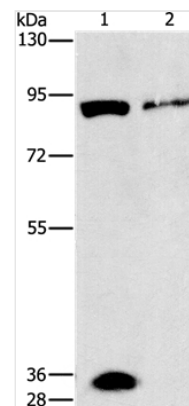
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PRKG2 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	0.8 mg/ml (varies by lot)
Sequence Length	342
Applicable Applications for anti-PRKG2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human protein kinase, cGMP-dependent, type II
Target Name	PRKG2
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/20.



Application Data

Gel: 8%SDS-PAGE Lysates (from left to right): Mouse brain and lung tissue Amount of lysate: 50ug per lane Primary antibody: 1/160 dilution Secondary antibody dilution: 1/8000 Exposure time: 30 seconds

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.
Product Categories/Family for anti-PRKG2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	541866806
NCBI GeneID	5593
NCBI Accession #	NP_001269409.1
NCBI GenBank Nucleotide #	NM_001282480.1
UniProt Accession #	Q13237; O00125; O60916; B4DMX3; E7EPE6
Molecular Weight	84,398 Da
NCBI Official Full Name	cGMP-dependent protein kinase 2 isoform b
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prkg2-antibody-immunohistochemistry-western-blot-elisa/307729>