Rabbit cGKII Polyclonal Antibody | anti-cGKII antibody

cGKII Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294478	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

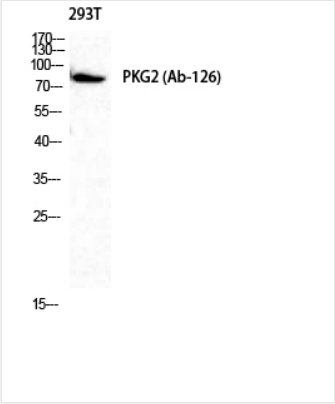
PRODUCT SYNONYMS

cGKII; Polyclonal Antibody; cGKII Polyclonal Antibody; PRKG2; PRKGR2; cGMP-dependent protein kinase 2; cGK 2; cGK2; cGMP-dependent protein kinase II; anti-cGKII antibody

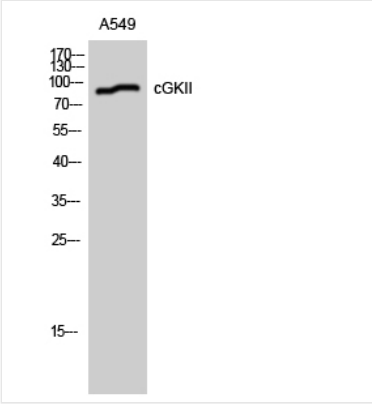
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-cGKII antibody	IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.



WB (Western Blot)
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-cGKII antibody	Crucial regulator of intestinal secretion and bone growth (By similarity). Phosphorylates and activates CFTR on the plasma membrane. Plays a key role in intestinal secretion by regulating cGMP-dependent translocation of CFTR in jejunum (By similarity). Acts downstream of NMDAR to activate the plasma membrane accumulation of GRIA1/GLUR1 in synapse and increase synaptic plasticity. Phosphorylates GRIA1/GLUR1 at Ser-863 (By similarity). Acts as regulator of gene expression and activator of the extracellular signal-regulated kinases MAPK3/ERK1 and MAPK1/ERK2 in mechanically stimulated osteoblasts. Under fluid shear stress, mediates ERK activation and subsequent induction of FOS, FOSL1/FRA1, FOSL2/FRA2 and FOSB that play a key role in the osteoblast anabolic response to mechanical stimulation (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453978
NCBI GeneID	5593
NCBI Accession #	NP_006250.1
NCBI GenBank Nucleotide #	NM_006259.1
UniProt Accession #	Q13237; O00125; O60916
Molecular Weight	87,432 Da
NCBI Official Full Name	cGMP-dependent protein kinase 2
NCBI Official Synonym Full Names	protein kinase, cGMP-dependent, type II
NCBI Official Symbol	PRKG2
NCBI Official Synonym Symbols	cGKII; PRKGR2
NCBI Protein Information	cGMP-dependent protein kinase 2; cGK2; cGK 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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/cgkii-antibody-immunohistochemistry-western-blot-elisa/294478