



cGKII Polyclonal Antibody

Catalog No	YP-Ab-14705
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PRKG2
Immunogen	The antiserum was produced against synthesized peptide derived from human PKG2. AA range:92-141
Specificity	cGKII Polyclonal Antibody detects endogenous levels of cGKII protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	cGK2;cGKII;cGMP dependent protein kinase 2;cGMP-dependent protein kinase 2;cGMP-dependent protein kinase II;PRKG2;PRKGR2;cGK 2
Observed Band	87kD
Calculated Molecular Weight	87kD
Cell Pathway	Apical cell membrane ; Lipid-anchor .
Tissue Specificity	Highly concentrated in brain, lung and intestinal mucosa.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Binding of cGMP results in enzyme activation.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. cGMP subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 cyclic nucleotide-binding domains.,tissue specificity:Highly concentrated in brain, lung and intestinal mucosa.,
Background	This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein plays a role in the regulation of fluid balance in the intestine. A similar protein in mouse is thought to regulate



differentiation and proliferation of cells in the colon. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013],

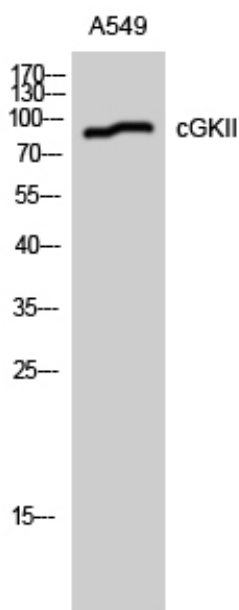
matters needing attention

Avoid repeated freezing and thawing!

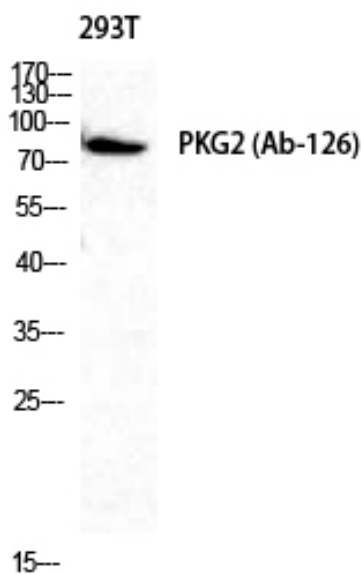
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

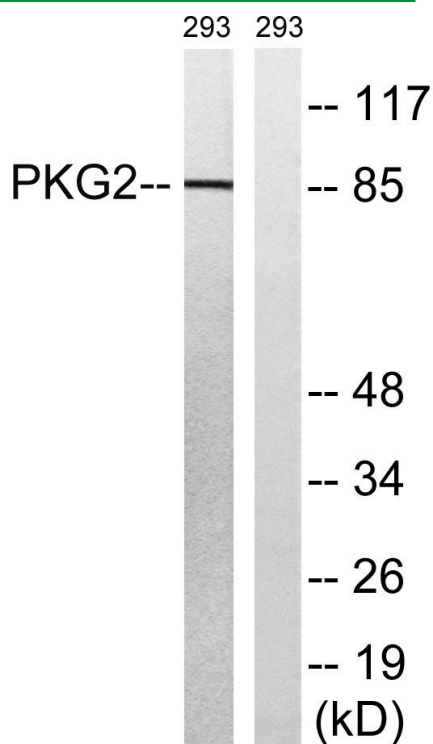
Products Images



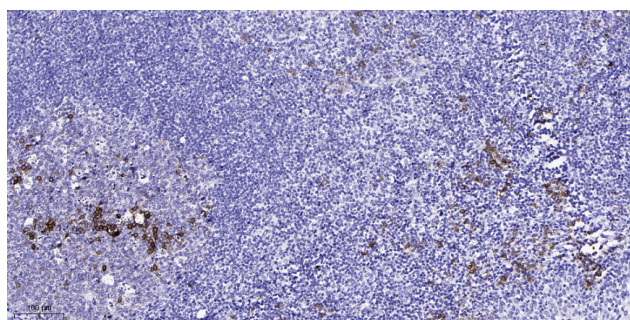
Western Blot analysis of A549 cells using cGKII Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293T cells using cGKII Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293 cells, treated with anisomycin 25ug/ml 30', using PKG2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).