

**cGKII (phospho Ser126) Polyclonal Antibody**

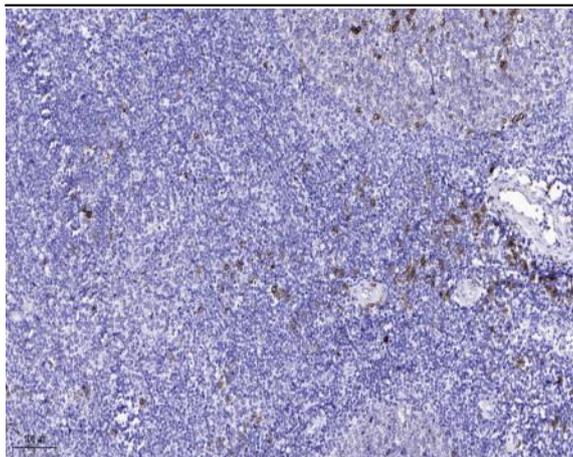
<b>Catalog No :</b>	YP1056
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	cGKII
<b>Fields :</b>	>>cGMP-PKG signaling pathway;>>Gap junction;>>Platelet activation;>>Circadian entrainment;>>Thermogenesis;>>Long-term depression;>>Olfactory transduction;>>Regulation of lipolysis in adipocytes;>>Renin secretion;>>Salivary secretion
<b>Gene Name :</b>	PRKG2
<b>Protein Name :</b>	cGMP-dependent protein kinase 2
<b>Human Gene Id :</b>	5593
<b>Human Swiss Prot No :</b>	Q13237
<b>Mouse Swiss Prot No :</b>	Q61410
<b>Rat Gene Id :</b>	25523
<b>Rat Swiss Prot No :</b>	Q64595
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PKG2 around the phosphorylation site of Ser126. AA range:92-141
<b>Specificity :</b>	Phospho-cGKII (S126) Polyclonal Antibody detects endogenous levels of cGKII protein only when phosphorylated at S126.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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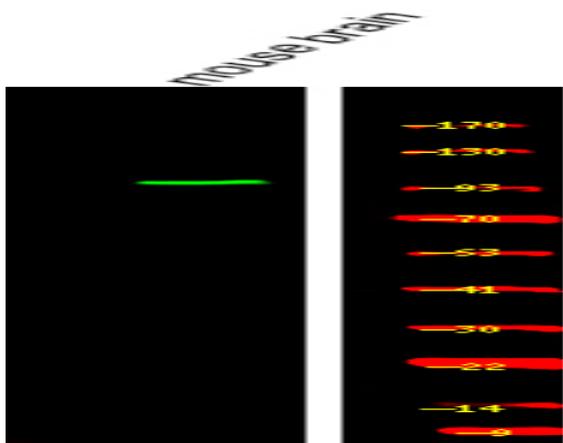
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	87kD
<b>Cell Pathway :</b>	Gap junction;Long-term depression;Olfactory transduction;
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Apical cell membrane ; Lipid-anchor .
<b>Expression :</b>	Highly concentrated in brain, lung and intestinal mucosa.
<b>Sort :</b>	3915
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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## Products Images



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).



Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000