

cGKII (phospho Ser126) Polyclonal Antibody

Catalog No: YP1056

Reactivity: Human; Mouse; Rat

Applications: IHC;IF;ELISA

Target: cGKII

Fields: >>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

Gene Name: PRKG2

Protein Name: cGMP-dependent protein kinase 2

Q13237

Q61410

Human Gene Id: 5593

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Rat Gene ld: 25523

Rat Swiss Prot No: Q64595

Immunogen: The antiserum was produced against synthesized peptide derived from human

PKG2 around the phosphorylation site of Ser126. AA range:92-141

Specificity: Phospho-cGKII (S126) Polyclonal Antibody detects endogenous levels of cGKII

protein only when phosphorylated at S126.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 87kD

Cell Pathway: Gap junction;Long-term depression;Olfactory transduction;

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],

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

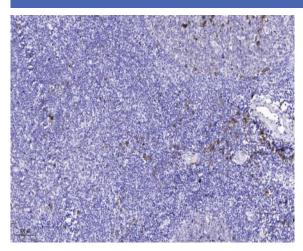
and intestinal mucosa.,

Subcellular Location:

Apical cell membrane; Lipid-anchor.

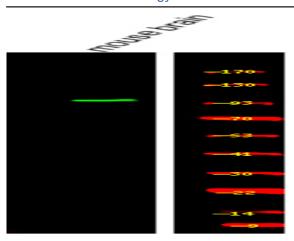
Expression: Highly concentrated in brain, lung and intestinal mucosa.

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