

cGKII Polyclonal Antibody

Catalog No: YT0892

Reactivity: Human; Mouse; Rat

Applications: WB;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

Q61410

Human Gene Id: 5593

Human Swiss Prot Q13237

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

CGK 2. AA range:391-440

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

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

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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)

Observed Band: 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

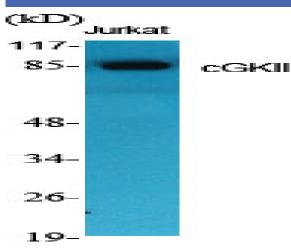
and intestinal mucosa..

Subcellular Location:

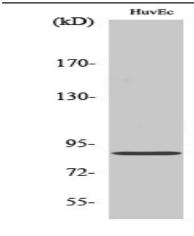
Apical cell membrane; Lipid-anchor.

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

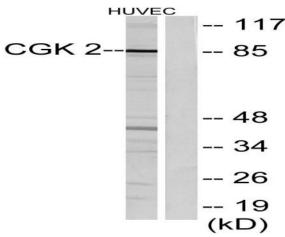
Products Images



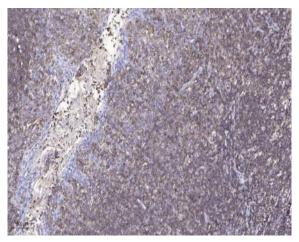
Western Blot analysis of various cells using cGKII Polyclonal Antibody



Western Blot analysis of HuvEc cells using cGKII Polyclonal Antibody



Western blot analysis of lysates from HUVEC cells, using CGK 2 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).