



ARPP-21 Polyclonal Antibody

E20-70337

Catalog Number:E20-70337

Host Species:Polyclonal, Rabbit

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Immunogen Description:The antiserum was produced against synthesized peptide derived from human ARPP21. AA range:211-260

Calculated MW:89196Da

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

Gene Name:ARPP21

Dilution:Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Protein Name:cAMP-regulated phosphoprotein 21

Human Gene Id:10777

Human Swiss Prot No:Q9UBL0

Mouse Gene Id:74100

Mouse Swiss Prot No:Q9DCB4

Specificity:ARPP-21 Polyclonal Antibody detects endogenous levels of ARPP-21 protein.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Name:ARPP21; TARPP; cAMP-regulated phosphoprotein 21; ARPP-21; Thymocyte cAMP-regulated phosphoprotein

Observed Band(KD):80

Background:cAMP regulated phosphoprotein 21(ARPP21) Homo sapiens This gene encodes a cAMP-regulated phosphoprotein. The encoded protein is enriched in the caudate nucleus and cerebellar cortex. A similar protein in mouse may be involved in regulating the effects of dopamine in the basal ganglia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012],

For Research Use Only

Function:function:Isoform 2 may act as a competitive inhibitor of calmodulin-dependent enzymes such as calcineurin in neurons.,PTM:Isoform 1 is methylated by CARM1 in immature thymocytes.,PTM:Phosphorylation at Ser-56 favors interaction with CALM1.,similarity:Contains 1 R3H domain.,subunit:Interacts with CALM1.,tissue specificity:Isoform 2 is expressed in brain. Isoform 1 is present in immature thymocytes (at protein level).,

Subcellular Location:cytoplasm,

Expression:Brain,Caudate nucleus,Hypothalamus,Kidney,Lung,T-cell,Testis,

