



# ARPP-21 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-03717
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	ARPP21
<b>Protein Name</b>	cAMP-regulated phosphoprotein 21
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ARPP21. AA range:211-260
<b>Specificity</b>	ARPP-21 Monoclonal Antibody detects endogenous levels of ARPP-21 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARPP21; TARPP; cAMP-regulated phosphoprotein 21; ARPP-21; Thymocyte cAMP-regulated phosphoprotein
<b>Observed Band</b>	80kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Isoform 2 is expressed in brain. Isoform 1 is present in immature thymocytes (at protein level).
<b>Function</b>	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).,
<b>Background</b>	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],

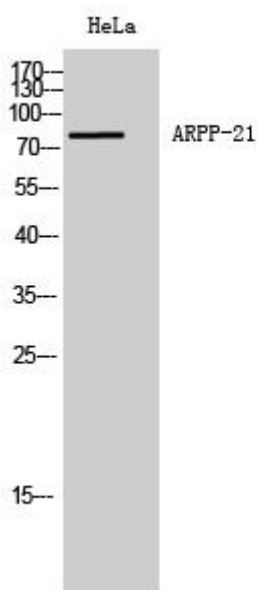
**matters needing attention**

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 various cells using ARPP-21 Monoclonal Antibody