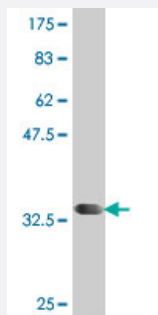


PIP5K2A polyclonal antibody (A01)

Catalog # H00005305-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (32.93 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PIP5K2A.
Immunogen	PIP5K2A (NP_005019, 304 a.a. ~ 365 a.a) partial recombinant protein with GST tag.
Sequence	SDGTHPVGTPPDSPGNTLNSSPPLAPGEFDPNIDVYGIKCHENSPRKEVYFMAIIDILTHYD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.93 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PIP4K2A

Entrez GeneID	5305
GeneBank Accession#	NM_005028
Protein Accession#	NP_005019
Gene Name	PIP4K2A
Gene Alias	FLJ13267, PI5P4KA, PIP5K2A, PIP5KII-alpha, PIP5KIIA, PIPK
Gene Description	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
Omim ID	603140
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol-5,4-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. The protein encoded by this gene is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. [provided by RefSeq]
Other Designations	1-phosphatidylinositol-4-phosphate kinase 1-phosphatidylinositol-4-phosphate-5-kinase OTTHUMP00000019300 OTTHUMP00000043353 PIP5KIalpha PtdIns(4)P-5-kinase B isoform diphosphoinositide kinase phosphatidylinositol-4-phosphate 5-kinase, type II, alpha type

Pathway

- [Inositol phosphate metabolism](#)
- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Alzheimer Disease](#)

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)