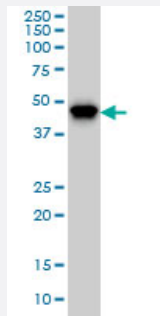


PIP5K2A monoclonal antibody (M01), clone 3A3

Catalog # H00005305-M01

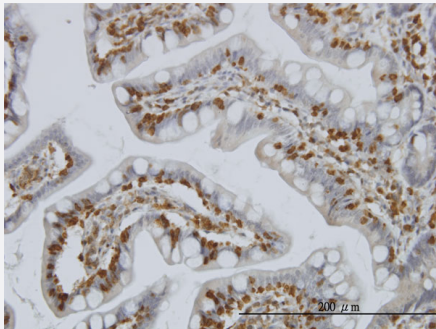
Size 100 ug

Applications



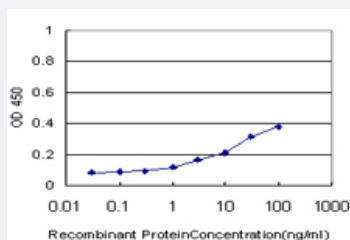
Western Blot (Cell lysate)

PIP5K2A monoclonal antibody (M01), clone 3A3 Western Blot analysis of PIP5K2A expression in K-562 (Cat # L009V1).



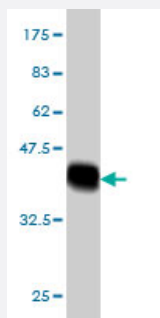
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PIP5K2A on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIP5K2A is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.56 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PIP5K2A.
Immunogen	PIP5K2A (NP_005019, 304 a.a. ~ 365 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SDGTHPVGTTPDSPGNTLNSSPPLAPGEFDPNIDVYGIKCHENS PRKEVYFMAIIDILTHYD
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.56 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PIP5K2A monoclonal antibody (M01), clone 3A3 Western Blot analysis of PIP5K2A expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PIP5K2A on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIP5K2A is approximately 3ng/ml as a capture antibody.

[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|PIP5KIIalpha|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](#)