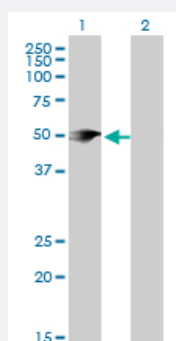


PIP4K2A monoclonal antibody (M08), clone 3H5

Catalog # H00005305-M08

Size 100 ug

Applications

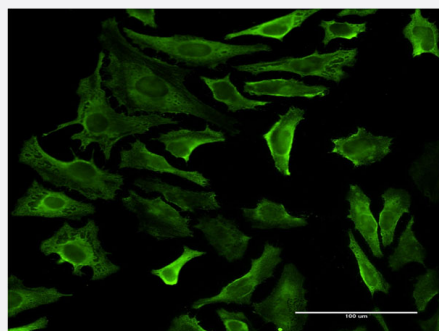


Western Blot (Transfected lysate)

Western Blot analysis of PIP4K2A expression in transfected 293T cell line by PIP4K2A monoclonal antibody (M08), clone 3H5.

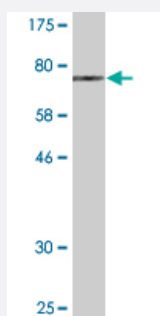
Lane 1: PIP4K2A transfected lysate(46.2 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PIP4K2A on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (70.4 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant PIP4K2A.

Immunogen	PIP4K2A (AAH18034, 1 a.a. ~ 406 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MATPGNLGSSVLASKTKTKKKHFVAQKVKLFRASDPLLSVLMWGVNHSINELSHVQIPVMLMPD DFKAYSKIKVDNHLFNKENMPSHFKFKEYCPMVFRNLRRERFGIDDQDFQNSLTRSAPLPNDSQA RSGARFHTSYDKRYIIKTITSEDVAEMHNILKKYHQYVECHGITLLPQFLGMYRLNVDGVEIYVTRN VFSHRLSVYRKYDLKGSTVAREASDKEKAKELPTLKDNDFINEGQKIMDDNNKKVFLEKLKKDVE FLAQLKLM DYSLLVGIHDVERAEQEEVECEENDGEEEGESDGHHPVGTTPDSPGNTLNSSPPLA PGEFDPNIDVYGKCHENS PRKEVYFMAIIDILTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSK RFLDFIGHILT
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.4 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 (Transfected lysate)

Western Blot analysis of PIP4K2A expression in transfected 293T cell line by PIP4K2A monoclonal antibody (M08), clone 3H5.

Lane 1: PIP4K2A transfected lysate(46.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PIP4K2A on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PIP4K2A

Entrez GeneID	5305
GeneBank Accession#	BC018034
Protein Accession#	AAH18034
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](#)