

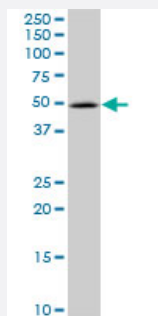
MaxPab®

PIP5K2A MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005305-B01P

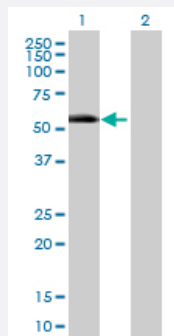
Size 50 ug

Applications



Western Blot (Cell lysate)

PIP4K2A MaxPab polyclonal antibody. Western Blot analysis of PIP4K2A expression in K-562.



Western Blot (Transfected lysate)

Western Blot analysis of PIP4K2A expression in transfected 293T cell line ([H00005305-T01](#)) by PIP4K2A MaxPab polyclonal antibody.

Lane 1: PIP5K2A transfected lysate(44.66 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PIP5K2A protein.

Immunogen

PIP5K2A (NP_005019.2, 1 a.a. ~ 406 a.a) full-length human protein.

Sequence

MATPGNLGSSVLASKTKTKKKHFVAQKVKLFRASDPLLSVLMWGVNHSINELSHVQIPVMLMPD
DFKAYSIKVDNHLFNKENMPSHFKFKEYCPMVFRNLRERFGIDDQDFQNSLTRSAPLPNDSQA
RSGARFHTSYDKRYIIKTITSEDVAEMHNILKKYHQYVECHGITLLPQFLGMYRLNVDGVEIYVITRN
VFSHRLSVYRKYDLKGSTVAREASDKEKAKELPTLKDNDFINEGQKMYDDNNKKVFLEKLKKDVE
FLAQLKLM DYSLLVGIHDVERAEQEEVECEENDGEEEGESDGTHPVGTTPDSPGNTLNSSPPLA
PGEFDPNIDVYGKCHENS PRKEVYFMAIIDILTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSK
RFLDFIGHILT

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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)

PIP4K2A MaxPab polyclonal antibody. Western Blot analysis of PIP4K2A expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PIP4K2A expression in transfected 293T cell line ([H00005305-T01](#)) by PIP4K2A MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — PIP4K2A

Entrez GeneID	5305
GeneBank Accession#	NM_005028.3
Protein Accession#	NP_005019.2
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](#)