

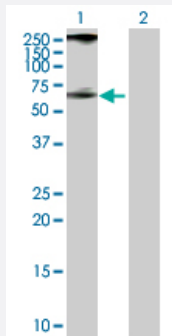
MaxPab®

PIP4K2A purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005305-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

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

Lane 1: PIP4K2A transfected lysate(46.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PIP4K2A protein.
Immunogen	PIP4K2A (NP_005019.2, 1 a.a. ~ 406 a.a) full-length human protein.
Sequence	MATPGNLGSSVLASKTKTKKKHFVAQKVLFRASDPLLSVLMWGVNHSINELSHVQIPVMLMPD DFKAYSKIKVDNHLFNKENMPSHFKFKEYCPMVFRNLRERFGIDDQDFQNSLTRSAPLPNDSQA RSGARFHTSYDKRYIKTITSEDVAEMHNILKKYHQYVECHGITLLPQFLGMYRLNVDGVEIYVTRN VFSHRLSVYRKYDLKGSTVAREASDKEKAKELPTLKDNDFINEGQKMYDDNNKKVFLEKLKKDVE FLAQLKLM DYSLLVGIHDVERAEQEEVECEENDGEEEGESDGTHPVGTPPDSPGNTLNSSPPLA PGEFDPNIDVYGIKCHENS PRKEVYFMAIIDILTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSK RFLDFIGHILT
Host	Rabbit
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.

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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](#)