

DNAxPAb

Hard-to-Find
Antibody

PIP4K2A DNAxPab

Catalog # H00005305-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PIP4K2A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MATPGNLGSSVLASKTKTKKKHFVAQKVKLFRASDPLLSVLMWGVNHSINELSHVQIPVMLMPD DFKAYSKIKVDNHLFNKENMPSHFKFKEYCPMVFRNLRERFGIDDQDFQNSLTRSAPLPNDSQA RSGARFHTSYDKRYIKTITSEDVAEMHNILKKYHQYVECHGITLLPQFLGMYRLNVDGVEIYVITRN VFSHRLSVYRKYDLKGSTVAREASDKEKAKELPTLKDNDFINEGQKIYDDNNKKVFLEKLKKDVE FLAQLKLMDDYLLVGIHDVERAEQEEVECEENDGEEEGESDGTHTPVGTPPDSPGNTLNSSPPLA PGEFDPNIDVYGKCHENSPPRKEVYFMAIIDLTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSK RFLDFIGHILT
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)