

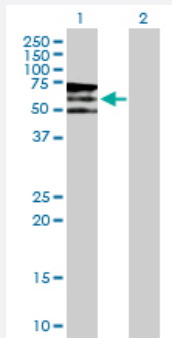
MaxPab®

PIP5K3 purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00200576-B02P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PIP5K3 expression in transfected 293T cell line ([H00200576-T03](#)) by PIP5K3 MaxPab polyclonal antibody.

Lane 1: PIP5K3 transfected lysate(49.61 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PIP5K3 protein.
Immunogen	PIP5K3 (NP_689884.1, 1 a.a. ~ 451 a.a) full-length human protein.
Sequence	MATDDKTSP TLDSANDLPRSPTSPSHLTHFKPLTPDQDEPPFKSAYSSFVNLF RFNKERAEGGQ GEQQPLSGSWTSPQLPSRTQSVRSPTPYKKQLNEELQRRSSALGDLRACTYCRKIALSYAHSTD SNSIGEDLNALSDSACSVSVLDPSEPRTPVGSRKASRNIFLEDDLAWQSLIHPDSSNTPLSTRLV SVQEDAGKSPARNRSASITNLSLDRSGSPMVPSYETSVSPQANRTYVRTETTEDERKILLDSVQL KDLWKKICHSSGMEFQDHRYLRLTHPNCIVGKELVNWLRNGHIATRAQAIAIGQAMVDGRWLD CVSHHDQLFRDEYALYRPLQSTEFSETPSPDSDSVNSVEGHSEPSWFKDIKFDDSDTEQIAEEG DDNLANSASPSKRTSVSSFQSTVDSDSAASISLNVELDNVNFHIKKPSKYPHVPPHPADQKGRR
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.

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[Protocol Download](#)

Gene Info — PIP5K3

Entrez GeneID [200576](#)

GeneBank Accession# [NM_152671.2](#)

Protein Accession# [NP_689884.1](#)

Gene Name PIP5K3

Gene Alias CFD, FAB1, KIAA0981, MGC40423, PIKFYVE, PIP5K

Gene Description phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III

Omim ID [121850 609414](#)

Gene Ontology [Hyperlink](#)

Gene Summary PIP5K3 belongs to a large family of lipid kinases that alter the phosphorylation status of intracellular phosphatidylinositol. Signaling by phosphorylated species of phosphatidylinositol regulates diverse cellular processes, including membrane trafficking and cytoskeletal reorganization (Shisheva et al., 1999 [PubMed 9858586]).[supplied by OMIM]

Other Designations 1-phosphatidylinositol-4-phosphate 5-kinase|FYVE finger-containing phosphoinositide kinase|OT THUMP00000163872|PtdIns(4)P-5-kinase|phosphatidylinositol-3-phosphate 5-kinase type III|phosphatidylinositol-4-phosphate 5-kinase, type III

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Tobacco Use Disorder](#)