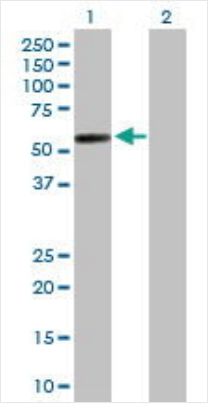
PI4K2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PI4K2A, Polyclonal Antibody
Full Product Name	PI4K2A (Phosphatidylinositol 4-Kinase Type 2-alpha, Phosphatidylinositol 4-kinase Type II-alpha, DKFZp761G1923, PI4KII, PIK42A, RP11-548K23.6)
Product Gene Name	anti-PI4K2A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PI4K2A.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	54,022 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (99400443..99436187). Location: 10q24
OMIM	AJ303098 mRNA
3D Structure	ModBase 3D Structure for Q9BTU6
Immunogen	Full length human PI4K2A, aa1-479 (NP_060895.1).
Immunogen Sequence	MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGPSPPGSPGHDRERQPLLDRARGAAAQGQTQTVAAQAQALAAQAAAAAHAAQA
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-PI4K2A antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PI4K2A antibody	Western Blot (WB)
Application Notes for anti-PI4K2A antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-PI4K2A antibody	Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin network. PI4KII RNAi had little effect on intra-Golgi trafficking, but it inhibited export to plasma membrane export by 35%. It has been proposed that PI4
Other Notes	Small volumes of anti-PI4K2A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for PI4K2A purchase	MBS6389385 is an antibody targeting PI4K2A. Also known as PI4K2A (Phosphatidylinositol 4-Kinase Type 2-alpha, Phosphatidylinositol 4-kinase Type



Western Blot (WB) of anti-PI4K2A antibody
Western Blot analysis of PI4K2A expression in transfected 293T cell line by PI4K2A polyclonal antibody. Lane 1: PI4K2A transfected lysate (54kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PI4K2A. It may not necessarily be applicable to this product.

NCBI GI #	13559514
NCBI GeneID	55361
NCBI Accession #	NP_060895.1
UniProt Primary Accession #	Q9BTU6
UniProt Secondary Accession #	Q9NSG8; D3DR59
UniProt Related Accession #	Q9BTU6
GenBank Nucleotide #	NM_018425
NCBI Official Full Name	phosphatidylinositol 4-kinase type 2-alpha
NCBI Official Synonym Full Names	phosphatidylinositol 4-kinase type 2 alpha
NCBI Official Symbol	PI4K2A
NCBI Official Synonym Symbols	PI4KII; PIK42A; DKFZp761G1923; RP11-548K23.6
UniProt Protein Name	Phosphatidylinositol 4-kinase type 2-alpha
UniProt Synonym Protein Names	Phosphatidylinositol 4-kinase type II-alpha
Protein Family	Phosphatidylinositol 4-kinase
UniProt Gene Name	PI4K2A
NCBI Protein Information	phosphatidylinositol 4-kinase type 2-alpha; OTTHUMP00000020224; OTTHUMP00000221793; phosphatidylinositol 4-kinase type II-alpha; phosphatidylinositol 4-kinase type II (PI4KII)

NCBI Summary for PI4K2A	Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to endo- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs (Barylko et al., 2001 [PubMed 11244087]).[supplied by OMIM]
UniProt Comments for PI4K2A	PI4K2A: Together with PI4K2B and the type III PI4Ks (PIK4CA and PIK4CB) it contributes to the overall PI4-kinase activity of the cell. The phosphorylation of phosphatidylinositol (PI) to PI4P is the first committed step in the generation of phosphatidylinositol 4,5-bisphosphate (PIP2), a precursor of the second messenger inositol 1,4,5-trisphosphate (InsP3). Contributes to the production of InsP3 in stimulated cells. Belongs to the PI3/PI4-kinase family. Type II PI4K subfamily. Protein type: EC 2.7.1.67; Kinase, lipid; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 10q24.2 Cellular Component: cell soma; cytoplasmic vesicle; cytosol; dendrite; endosome; integral to plasma membrane; intrinsic to membrane; lipid raft; lysosomal membrane; membrane; mitochondrion; neuron projection; plasma membrane; presynaptic membrane; trans-Golgi network Molecular Function: 1-phosphatidylinositol 4-kinase activity; ATP binding; protein binding Biological Process: endosome organization and biogenesis; Golgi organization and biogenesis; phosphatidylinositol biosynthetic process; phosphoinositide phosphorylation
Research Articles on PI4K2A	**1.** Knockdown of PI4KIIalpha inhibits EGF-stimulated Akt phosphorylation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/pi4k2a/6389385