Mouse anti-Human PIP5K3 Monoclonal Antibody | anti-PIP5K3 antibody

PIP5K3 (PIKFYVE, 1-phosphatidylinositol 3-phosphate 5-kinase, Phosphatidylinositol 3-phosphate 5-kinase, FYVE Finger-containing Phosphoinositide Kinase, PIKfyve, Phosphatidylinositol 3-phosphate 5-kinase Type III, PIPkin-III, Type III PIP Kinase, KIAA0981

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24613	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

PIP5K3; Monoclonal Antibody; PIP5K3 (PIKFYVE; 1-phosphatidylinositol 3-phosphate 5-kinase; Phosphatidylinositol 3-phosphate 5-kinase; FYVE Finger-containing Phosphoinositide Kinase; PIKfyve; Phosphatidylinositol 3-phosphate 5-kinase Type III; PIPkin-III; Type III PIP Kinase; KIAA0981; anti-PIP5K3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6C7
Specificity	Recognizes human PIP5K3.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Sequence Length	451
Applicable Applications for anti-PIP5K3 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant protein corresponding to aa342-452 from human PIP5K3 (NP_689884) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LQSTEFSETPSPDSDSVNSVEGHSEPSWFKDIKFDDSDTEQIAEEGDDNLANSASPSKRTSVSSFQSTVDSDSAASISLNVELDNVNFHIKKPSKYPHVPF
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, cen original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of PIP5K3 over-expressed 293 cell line, cotransfected with PIP5K3 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with PIP5K3 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged PIP5K3 is ~0.3ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PIP5K3 on HeLa cell. [antibody concentration 10ug/ml].

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to PIP5K3 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3ug/ml].

WB (Western Blot)
Western Blot analysis of PIP5K3 expression in transfected 293T cell line by PIP5K3 monoclonal antibody. Lane 1: PIP5K3 transfected lysate (50.2kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (38.21kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-PIP5K3 antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	22749359
NCBI GeneID	200576
NCBI Accession #	NP_689884
NCBI GenBank Nucleotide #	NM_152671
UniProt Accession #	Q9Y2I7
NCBI Official Full Name	1-phosphatidylinositol 3-phosphate 5-kinase isoform 3
NCBI Official Synonym Full Names	phosphoinositide kinase, FYVE-type zinc finger containing
NCBI Official Symbol	PIKFYVE
NCBI Official Synonym Symbols	CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29
NCBI Protein Information	1-phosphatidylinositol 3-phosphate 5-kinase
UniProt Protein Name	1-phosphatidylinositol 3-phosphate 5-kinase
UniProt Gene Name	**PIKFYVE**
UniProt Synonym Gene Names	KIAA0981; PIP5K3; Phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III
UniProt Entry Name	FYV1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pip5k3-antibody-clone-6c7-immunofluorescence-immunohistochemistry-western-blot-elisa/24613