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
AAA24317	**Mouse**	**Human**	**ELISA, 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 Alkaline Phosphatase (AP).
Sequence Length	451
Applicable Applications for anti-PIP5K3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	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	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the 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-immunohistochemistry-western-blot-elisa/24317