

Mouse anti-Human PIP5K3 Monoclonal Antibody | anti-PIKFYVE 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
AAA24058	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

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 (PIKFYVE; anti-PIKFYVE antibody

PRODUCT SPECIFICATIONS

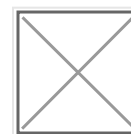
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6C7
Specificity	Recognizes human PIP5K3.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	LQSTEFSETP SPDSDSVNSV EGHSEPSWFK DIKFDDSDTE QIAEEGDDNL ANSASPSKRT SVSSFQSTVD SDSAASISLN VELDNVNFHI KKPSKYPHVP PHPADQKGRR
Applicable Applications for anti-PIKFYVE antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Immunogen	Partial recombinant protein corresponding to aa342-452 from human PIP5K3 (NP_689884) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and 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

Related Product Information for anti-PIKFYVE antibody	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Catalyzes the phosphorylation of phosphatidylinositol 3-phosphate on the fifth hydroxyl of the myo-inositol ring, to form phosphatidylinositol 3,5-bisphosphate. Required for endocytic-vacuolar pathway and nuclear migration. Plays a role in the biogenesis of endosome carrier vesicles (ECV)/ multivesicular bodies (MVB) transport intermediates from early endosomes.
Product Categories/Family for anti-PIKFYVE antibody	Antibodies ; Abs to Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	115528704
NCBI GeneID	200576
UniProt Accession #	Q9Y2I7 ; Q08AR7 ; Q08AR8 ; Q53ST3 ; Q53T36 ; Q8N5H0 ; Q8NB67
Molecular Weight	237,136 Da
NCBI Official Full Name	PIP5K3 protein
NCBI Official Synonym Full Names	phosphoinositide kinase, FYVE finger containing
NCBI Official Symbol	PIKFYVE
NCBI Official Synonym Symbols	CFD; FAB1; PIP5K; PIP5K3; ZFYVE29
NCBI Protein Information	1-phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III; type III PIP kinase; zinc finger, FYVE domain containing 29; 1-phosphatidylinositol-3-phosphate 5-kinase; phosphatidylinositol 3-phosphate 5-kinase type III; phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III
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-western-blot-immunohistochemistry-immunofluorescence-elisa/24058>