

Product Datasheet

PIKFyve/PIP5K3 Antibody (6C7) - Azide and BSA Free H00200576-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00200576-M01

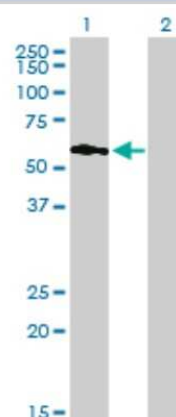
PIKFyve/PIP5K3 Antibody (6C7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6C7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	200576
Gene Symbol	PIKFYVE
Species	Human, Mouse, Rat
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	PIP5K3 - phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III
Immunogen	PIP5K3 (NP_689884, 342 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. LQSTEFSETPSPDSDSVNSVEGHSEPSWFKDIKFDDSDTEQIAEEGDDNLANS ASPSKRTSVSSFQSTVDSDSAASISLNVELDNVNFHIKKPSKYPHVPPHPADQK GRR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Sandwich ELISA, Knockdown Validated
Application Notes	Antibody reactive against recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), RNAi validation and ELISA.

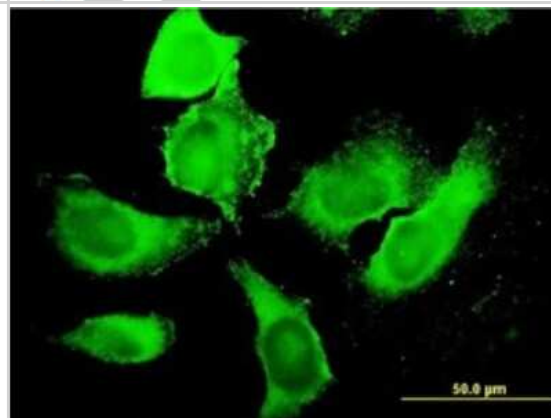


Images

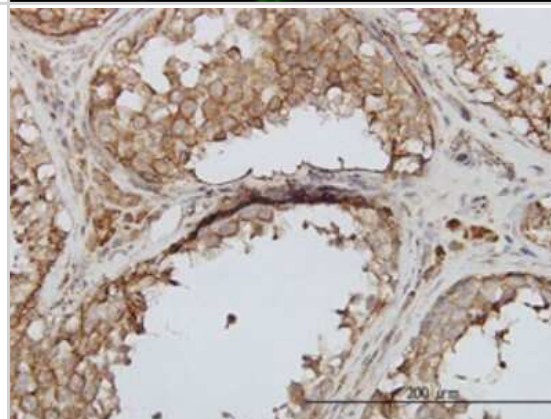
Western Blot: PIKFyve/PIP5K3 Antibody (6C7) [H00200576-M01] - Analysis of PIP5K3 expression in transfected 293T cell line by PIP5K3 monoclonal antibody (M01), clone 6C7. Lane 1: PIP5K3 transfected lysate (50.2 KDa). Lane 2: Non-transfected lysate.



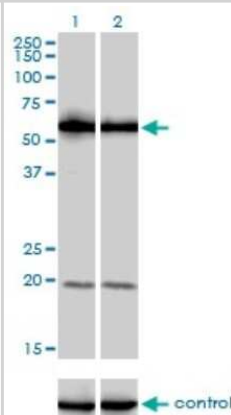
Immunocytochemistry/Immunofluorescence: PIKFyve/PIP5K3 Antibody (6C7) [H00200576-M01] - Analysis of monoclonal antibody to PIP5K3 on HeLa cell. Antibody concentration 10 ug/ml.



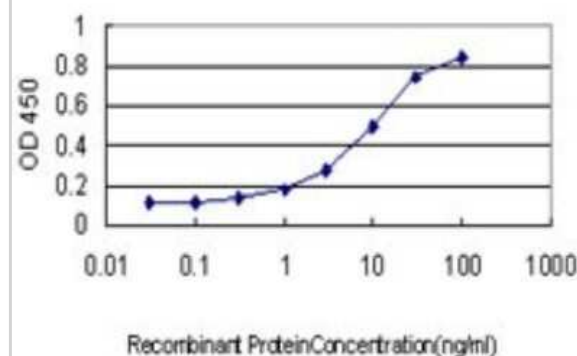
Immunohistochemistry-Paraffin: PIKFyve/PIP5K3 Antibody (6C7) [H00200576-M01] - Analysis of monoclonal antibody to PIP5K3 on formalin-fixed paraffin-embedded human testis. Antibody concentration 3 ug/ml.



Western Blot: PIKFyve/PIP5K3 Antibody (6C7) [H00200576-M01] - Analysis of PIP5K3 over-expressed 293 cell line, cotransfected with PIP5K3 Validated Chimera RNAi (Cat # H00200576-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PIP5K3 monoclonal antibody (M01), clone 6C7 (Cat # H00200576-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Sandwich ELISA: PIKFyve/PIP5K3 Antibody (6C7) [H00200576-M01] - Detection limit for recombinant GST tagged PIP5K3 is approximately 0.3ng/ml as a capture antibody.



Publications

Miguel C, Isabel G, Ana P et al. New insights into the role of endosomal proteins for African swine fever virus infection. PLoS Pathog. 2022-01-26 [PMID: 35081156]

Morioka S, Nigorikawa K, Hazeki K et al. Phosphoinositide phosphatase Sac3 regulates the cell surface expression of scavenger receptor A and formation of lipid droplets in macrophages. Exp Cell Res 2017-05-25 [PMID: 28552585]

Takasuga S, Horie Y, Sasaki J et al. Critical roles of type III phosphatidylinositol phosphate kinase in murine embryonic visceral endoderm and adult intestine. Proc Natl Acad Sci U S A. 2011-02-19 [PMID: 23322734]

Tsuruta F, Green EM, Rousset M et al. PIKFyve regulates CaV1.2 degradation and prevents excitotoxic cell death. J Cell Biol. 19;187(2):279-94. 2009-10-01 [PMID: 19841139]



**Novus Biologicals USA**

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00200576-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00200576-Q01-10ug	Recombinant Human PIKFyve/PIP5K3 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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