

Product Datasheet

ARF5 Antibody (1B4) - Azide and BSA Free H00000381-M01

Unit Size: 0.1 mg

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

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H00000381-M01

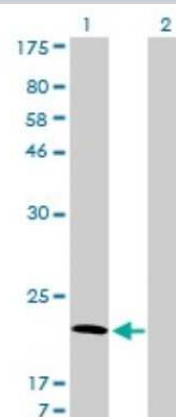
ARF5 Antibody (1B4) - Azide and BSA Free

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	1B4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	381
Gene Symbol	ARF5
Species	Human, Mouse, Rat, Bacteria, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	ARF5 - ADP-ribosylation factor 5
Immunogen	ARF5 (AAH03043, 81 a.a. ~ 180 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. YFQNTQGLIFVVDSNDRERVQESADELQKMLQEDELRLDAVLLVFANKQDMPN AMPVSELTDKLGLQLHRSRTWYVQATCATQGTGLYDGLDWLSHELKR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

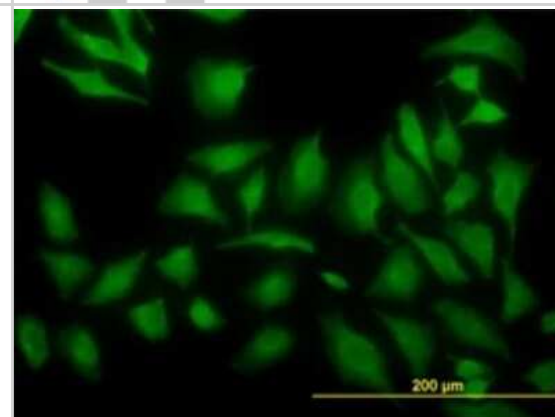


Images

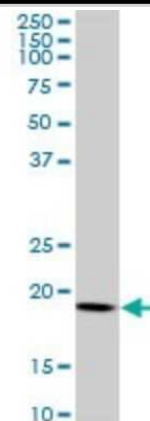
Western Blot: ARF5 Antibody (1B4) [H00000381-M01] - Analysis of ARF5 expression in transfected 293T cell line by ARF5 monoclonal antibody (M01), clone 1B4. Lane 1: ARF5 transfected lysate(20.5 KDa). Lane 2: Non-transfected lysate.



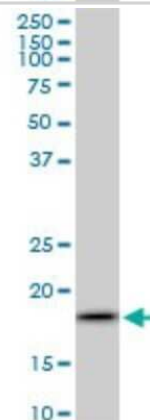
Immunocytochemistry/Immunofluorescence: ARF5 Antibody (1B4) [H00000381-M01] - Analysis of monoclonal antibody to ARF5 on HeLa cell. Antibody concentration 15 ug/ml.



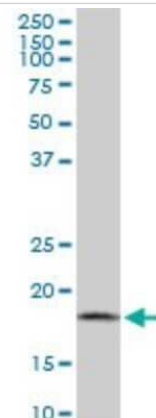
Western Blot: ARF5 Antibody (1B4) [H00000381-M01] - ARF5 monoclonal antibody (M01), clone 1B4. Analysis of ARF5 expression in HeLa.



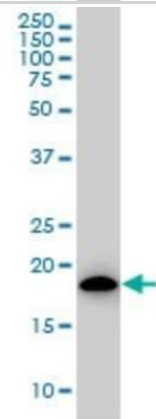
Western Blot: ARF5 Antibody (1B4) [H00000381-M01] - ARF5 monoclonal antibody (M01), clone 1B4. Analysis of ARF5 expression in PC-12.



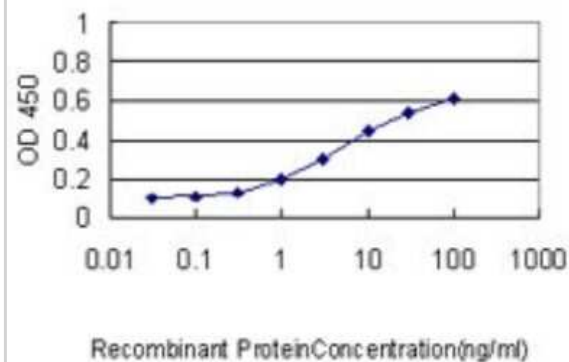
Western Blot: ARF5 Antibody (1B4) [H00000381-M01] - ARF5 monoclonal antibody (M01), clone 1B4. Analysis of ARF5 expression in Raw 264.7.



Western Blot: ARF5 Antibody (1B4) [H00000381-M01] - ARF5 monoclonal antibody (M01), clone 1B4 Analysis of ARF5 expression in A-431.



ELISA: ARF5 Antibody (1B4) [H00000381-M01] - Detection limit for recombinant GST tagged ARF5 is approximately 0.3ng/ml as a capture antibody.



Publications

Racha Fayad, Monserrat Vázquez Rojas, Mariagrazia Partisani, Pascal Finetti, Shiraz Dib, Sophie Abelanet, Virginie Virolle, Anne Farina, Olivier Cabaud, Marc Lopez, Daniel Birnbaum, François Bertucci, Michel Franco, Frédéric Luton EFA6B regulates a stop signal for collective invasion in breast cancer Nature Communications 2021-04-13 [PMID: 33850160]

Lixin L, Sulin Z, Yirui W et al. BIG1 Controls Macrophage Pro-Inflammatory Responses Through ARF3-mediated PI (4,5)P2 Synthesis. Cell Death Dis. 2020-05-15 [PMID: 32415087]

Nacke M, Sandilands E, Nikolatou K et al. An ARF GTPase module promoting invasion and metastasis through regulating phosphoinositide metabolism Nature communications 2021-03-12 [PMID: 33712589] (WB, Human)

Ignashkova TI, Gendarme M, Peschk K et al. Cell survival and protein secretion associated with Golgi integrity in response to Golgi stress-inducing agents. Traffic 2017-05-09 [PMID: 28485883]

Wesolowski J, Weber MM, Nawrotek A et al. Chlamydia Hijacks ARF GTPases To Coordinate Microtubule Posttranslational Modifications and Golgi Complex Positioning. MBio 2017-05-02 [PMID: 28465429]

Kudelko M, Brault JB, Kwok K et al. Class II ADP-Ribosylation factors are required for efficient secretion of dengue viruses. J Biol Chem. 2011-11-21 [PMID: 22105072]

Takashima K, Saitoh A, Hirose S et al. GBF1-Arf-COPI-ArfGAP-mediated Golgi-to-ER transport involved in regulation of lipid homeostasis. Cell Struct Funct. 2012-06-01 [PMID: 22185782]

Nakai W, Kondo Y, Saitoh A et al. ARF1 and ARF4 regulate recycling endosomal morphology and retrograde transport from endosomes to the Golgi apparatus. Mol Biol Cell. 2013-06-19 [PMID: 23783033]

Munzberg C, Hohn K, Krndija D et al. IGF-1 drives chromogranin A secretion via activation of Arf1 in human neuroendocrine tumour cells. J Cell Mol Med. 2015-03-08 [PMID: 25754106]

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Puxeddu E, Uhart M, Li CC et al. Interaction of phosphodiesterase 3A with brefeldin A-inhibited guanine nucleotide-exchange proteins BIG1 BIG2 effect on ARF1 activity. Proc Natl Acad Sci U S A;106(15):6158-63. 2009-04-14 [PMID: 19332778]

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Products Related to H00000381-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-72346-100ug	Recombinant Human ARF5 His 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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