

Product Datasheet

RAB7B Antibody (3B3) - Azide and BSA Free H00338382-M01

Unit Size: 0.1 mg

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

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H00338382-M01

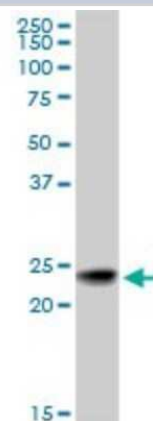
RAB7B Antibody (3B3) - Azide and BSA Free

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	3B3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse RAB7B Antibody (3B3) - Azide and BSA Free (H00338382-M01) is a monoclonal antibody validated for use in WB, ELISA and IP. Anti-RAB7B Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	338382
Gene Symbol	RAB7B
Species	Human
Marker	Late Endosome Marker
Specificity/Sensitivity	RAB7B - RAB7B, member RAS oncogene family
Immunogen	RAB7B (NP_796377, 100 a.a. ~ 199 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DIWRGDVLAKIVPMEQSYPMVLLGNKIDLRKVPQEVAQGWCREKDIPYFEV SAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunoprecipitation 1:10-1:500
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for ELISA.

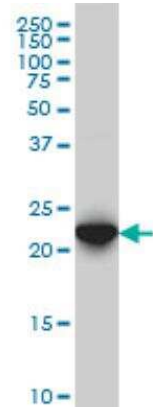


Images

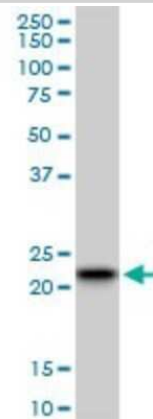
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - RAB7B monoclonal antibody (M01), clone 3B3. Analysis of RAB7B expression in human kidney.



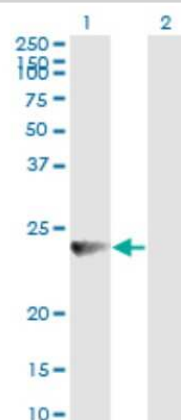
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - RAB7B expression in HeLa (Cat # L013V1).



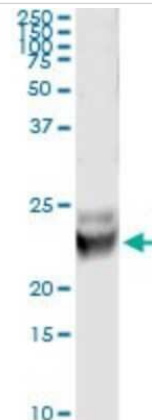
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - RAB7B monoclonal antibody (M01), clone 3B3. Analysis of RAB7B expression in A-431.



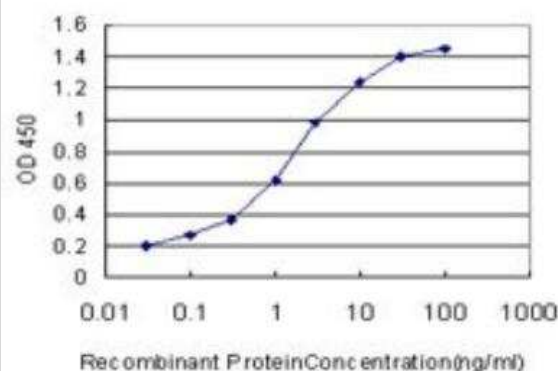
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - Analysis of RAB7B expression in transfected 293T cell line by RAB7B monoclonal antibody (M01), clone 3B3. Lane 1: RAB7B transfected lysate(22.5 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: RAB7B Antibody (3B3) [H00338382-M01] - Analysis of RAB7B transfected lysate using anti-RAB7B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RAB7B MaxPab rabbit polyclonal antibody.



ELISA: RAB7B Antibody (3B3) [H00338382-M01] - Detection limit for recombinant GST tagged RAB7B is approximately 0.03ng/ml as a capture antibody.



Publications

K Vestre, I Persiconi, MB Distefano, N Mensali, NA Guadagno, M Bretou, S Wälchli, C Arnold-Sch, O Bakke, M Dalod, AM Lennon-Dum, C Progida Rab7b regulates dendritic cell migration by linking lysosomes to the actomyosin cytoskeleton *Journal of Cell Science*, 2021-09-24;0(0):. 2021-09-24 [PMID: 34494097]

Margiotta A, Progida C, Bakke O, Bucci C. Rab7a regulates cell migration through Rac1 and vimentin. *Biochim Biophys Acta* 2017-02-01 [PMID: 27888097]

Zhu GD, Salazar G, Zlatic SA et al. SPE-39 Family Proteins Interact with the HOPS Complex and Function in Lysosomal Delivery. *Mol Biol Cell*. 2009-02-01 [PMID: 19109425]

Higashi S, Iseki E, Minegishi M et al. GIGYF2 is present in endosomal compartments in the mammalian brains and enhances IGF-1-induced ERK1/2 activation. *J Neurochem*. 2010-07-28 [PMID: 20670374]

Zlatic SA, Tornieri K, L'hernault SW, Faundez V. Clathrin-dependent mechanisms modulate the subcellular distribution of class C Vps/HOPS tether subunits in polarized and nonpolarized cells. *Mol Biol Cell*. 2011-03-16 [PMID: 21411634]

Borg M, Bakke O, Progida C. A novel interaction between Rab7b and actomyosin reveals a dual role in intracellular transport and cell migration. *J Cell Sci*. 2014-09-12 [PMID: 25217632]

Higashi S, Moore DJ, Yamamoto R et al. Abnormal localization of leucine-rich repeat kinase 2 to the endosomal-lysosomal compartment in lewy body disease. *J Neuropathol Exp Neurol* 68(9):994-1005. 2009-09-01 [PMID: 19680143]



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Products Related to H00338382-M01

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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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