

# Product Datasheet

## RAB7B Antibody (3B3)

### H00338382-M01

Unit Size: 0.1 mg

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

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**Reviews: 2 Publications: 6**

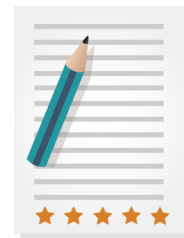
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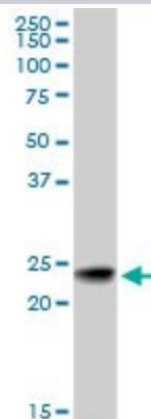


**H00338382-M01****RAB7B Antibody (3B3)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3B3
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	338382
<b>Gene Symbol</b>	RAB7B
<b>Species</b>	Human, Mouse
<b>Marker</b>	Late Endosome Marker
<b>Specificity/Sensitivity</b>	RAB7B - RAB7B, member RAS oncogene family
<b>Immunogen</b>	RAB7B (NP_796377, 100 a.a. ~ 199 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DIWRGDVLAKIVPMEQSYPMVLLGNKIDLADRKVPQEVAQGWCREKDIPYFEV SAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for ELISA.

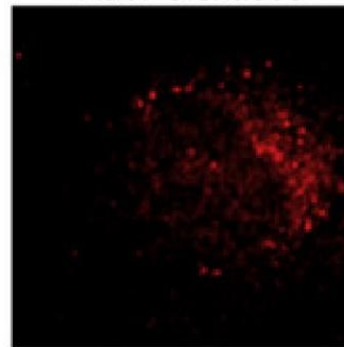
## Images

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

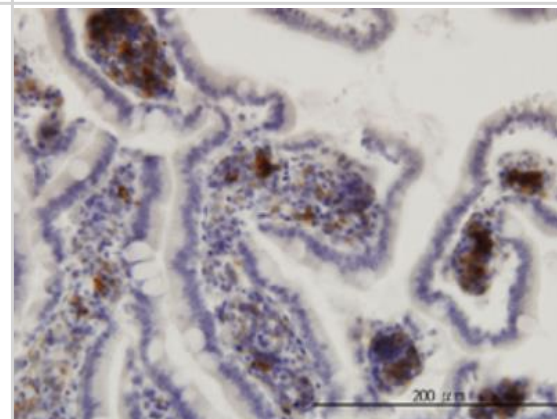


Immunocytochemistry/Immunofluorescence: RAB7B Antibody (3B3) [H00338382-M01] - Mouse primary cells stained with RAB7B antibody. Image from verified customer review.

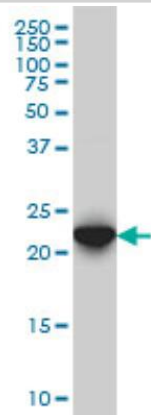
Rab7 alexa568



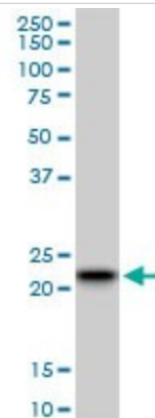
Immunohistochemistry-Paraffin: RAB7B Antibody (3B3) [H00338382-M01] - Monoclonal antibody to RAB7B ( Cat # H00338382-M01 ) on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



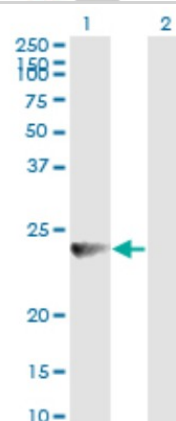
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - RAB7B expression in HeLa ( Cat # L013V1 ).



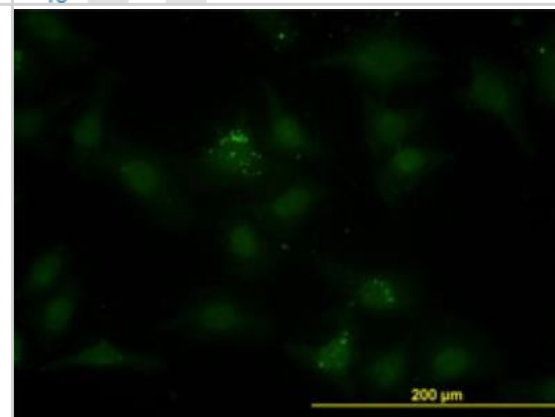
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - RAB7B monoclonal antibody (M01), clone 3B3. Analysis of RAB7B expression in A-431.



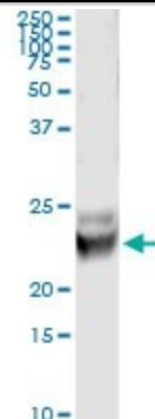
Western Blot: RAB7B Antibody (3B3) [H00338382-M01] - Analysis of RAB7B expression in transfected 293T cell line by RAB7B monoclonal antibody (M01), clone 3B3. Lane 1: RAB7B transfected lysate (22.5 kDa). Lane 2: Non-transfected lysate.



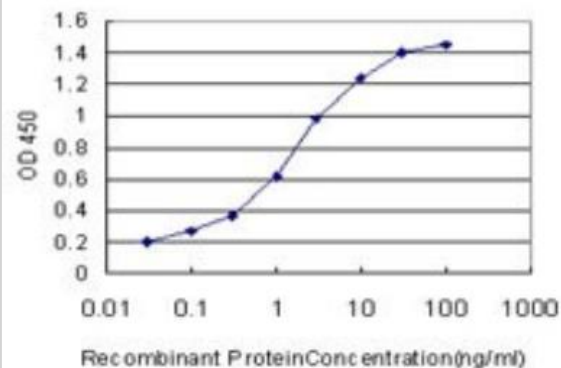
Immunocytochemistry/Immunofluorescence: RAB7B Antibody (3B3) [H00338382-M01] - Monoclonal antibody to RAB7B (H00338382-M01) on HeLa cell. [antibody concentration 10 ug/ml]



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

Margiotta A, Progida C, Bakke O, Bucci C. Rab7a regulates cell migration through Rac1 and vimentin. *Biochim Biophys Acta* 2016 Nov 23 [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 Feb 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 Jul 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 Mar 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 Sep 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 Sep. [PMID: 19680143]



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### Products Related to H00338382-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00338382-Q01-10ug	Recombinant Human RAB7B 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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