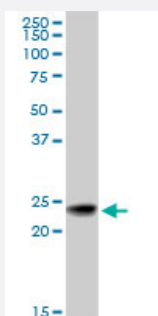


RAB7B monoclonal antibody (M01), clone 3B3

Catalog # H00338382-M01

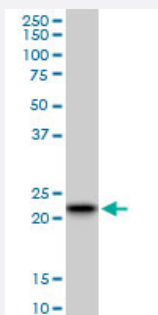
Size 100 ug

Applications



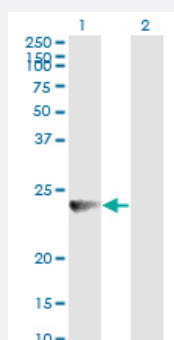
Western Blot (Tissue lysate)

RAB7B monoclonal antibody (M01), clone 3B3. Western Blot analysis of RAB7B expression in human kidney.



Western Blot (Cell lysate)

RAB7B monoclonal antibody (M01), clone 3B3. Western Blot analysis of RAB7B expression in A-431(Cat # L015V1).

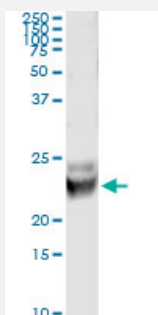


Western Blot (Transfected lysate)

Western Blot 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.

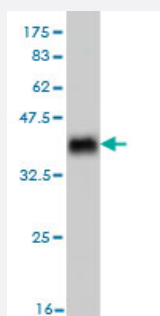
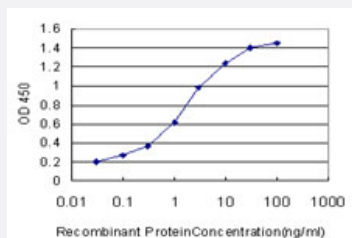


Immunoprecipitation

Immunoprecipitation of RAB7B transfected lysate using anti-RAB7B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RAB7B MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RAB7B is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RAB7B.
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.
Sequence	DIWRGDVLAKVPMESYPMVLLGNKIDLADRKVPQEVAQGWCREKDIPYFEVSAKNDINVVQAF EMLASRALSRYSILENHLTESIKLSPDQSRSRCC
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

RAB7B monoclonal antibody (M01), clone 3B3. Western Blot analysis of RAB7B expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

RAB7B monoclonal antibody (M01), clone 3B3. Western Blot analysis of RAB7B expression in A-431(Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot 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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of RAB7B transfected lysate using anti-RAB7B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RAB7B MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RAB7B is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RAB7B

Entrez GeneID	338382
---------------	------------------------

GeneBank Accession#	NM_177403
---------------------	---------------------------

Protein Accession#	NP_796377
--------------------	---------------------------

Gene Name	RAB7B
-----------	-------

Gene Alias	MGC16212, MGC9726, RAB7
Gene Description	RAB7B, member RAS oncogene family
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Ras-related protein Rab-7

Publication Reference

- [Rab7b regulates dendritic cell migration by linking lysosomes to the actomyosin cytoskeleton.](#)

Katharina Vestre, Irene Persiconi, Marita Borg Distefano, Nadia Mensali, Noemi Antonella Guadagno, Marine Bretou, Sébastien Wälchli, Catharina Arnold-Schrauf, Oddmund Bakke, Marc Dalod, Ana-Maria Lennon-Dumenil, Cinzia Progida.

Journal of Cell Science 2021 Sep; 134(18):jcs259221.

Application: IF, WB-Tr, Human, Human monocyte-derived dendritic cells

- [Rab7a regulates cell migration through Rac1 and vimentin.](#)

Margiotta A, Progida C, Bakke O, Bucci C.

Biochimica et Biophysica Acta 2016 Nov; 1864(2):367.

Application: WB-Tr, Human, NCI-H1299 cells

- [A novel interaction between Rab7b and actomyosin reveals a dual role in intracellular transport and cell migration.](#)

Borg M, Bakke O, Progida C.

Journal of Cell Science 2014 Nov; 127(Pt 22):4927.

Application: IP-WB, WB-Tr, Human, MDDCs, HeLa cells

- [Clathrin-dependent mechanisms modulate the subcellular distribution of class C Vps/HOPS tether subunits in polarized and nonpolarized cells.](#)

Zlatic SA, Tornieri K, L'hernault SW, Faundez V.

Molecular Biology of the Cell 2011 May; 22(10):1699.

Application: IF, Human, HEK 293T cells

- [Abnormal localization of leucine-rich repeat kinase 2 to the endosomal-lysosomal compartment in lewy body disease.](#)

Higashi S, Moore DJ, Yamamoto R, Minegishi M, Sato K, Togo T, Katsuse O, Uchikado H, Furukawa Y, Hino H, Kosaka K, Emson PC, Wada K, Dawson VL, Dawson TM, Arai H, Iseki E.

Journal of Neuropathology and Experimental Neurology 2010 Sep; 68(9):994.

Application: IF, IHC-P, Human, Postmortem brains from patients with neurodegenerative disorders

- [GIGYF2 is present in endosomal compartments in the mammalian brains and enhances IGF-1-induced ERK1/2 activation.](#)

Higashi S, Iseki E, Minegishi M, Togo T, Kabuta T, Wada K.

Journal of Neurochemistry 2010 Oct; 115(2):423.

Application: IF, Human, HeLa cells

- [SPE-39 Family Proteins Interact with the HOPS Complex and Function in Lysosomal Delivery.](#)

Zhu GD, Salazar G, Zlatic SA, Fiza B, Doucette MM, Heilman CJ, Levey AI, Faundez V, L'hernault SW.

Molecular Biology of the Cell 2009 Feb; 20(4):1223.

Application: IF, Human, HEK 293 cells