Mouse anti-Human RAB7B Monoclonal Antibody | anti-RAB7B antibody

RAB7B (Ras-related Protein Rab-7b, RAB7) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24925	**Mouse**	**Human**	**ELISA, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

RAB7B; Monoclonal Antibody; RAB7B (Ras-related Protein Rab-7b; RAB7) (Biotin); MGC16212; MGC9726; anti-RAB7B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3B3
Specificity	Recognizes human RAB7B.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	199
Applicable Applications for anti-RAB7B antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Sandwich ELISA: The detection limit is ~0.03ng/ml as a capture antibody. Applications are based on unconjugated antibody.
Immunogen	Partial recombinant protein corresponding to aa100-200 from human RAB7B (NP_796377) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DIWRGDVLAKIVPMEQSYPMVLLGNKIDLADRKVPQEVAQGWCREKDIPYFEVSAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC*
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
RAB7B monoclonal antibody. Western Blot analysis of RAB7B expression in A-431.

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

IP (Immunoprecipitation)
Immunoprecipitation of RAB7B transfected lysate using RAB7B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RAB7B rabbit polyclonal antibody.

WB (Western Blot)
Western Blot analysis of RAB7B expression in transfected 293T cell line by RAB7B monoclonal antibody. Lane 1: RAB7B transfected lysate (22.5kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
RAB7B monoclonal antibody. Western Blot analysis of RAB7B expression in human kidney.

WB (Western Blot)
Western Blot detection against Immunogen (37.11kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-RAB7B antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
References	1. Zlatic SA, Tornieri K, L'hernault SW, Faundez V.Mol Biol Cell. 2011 May;22(10):1699-715. Epub 2011 Mar 16. 2. 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.J Neuropathol Exp Neurol. 2009 Sep;68(9):994-1005. 3.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.J Neurochem. 2010 Jul 28. 4. Zhu GD, Salazar G, Zlatic SA, Fiza B, Doucette MM, Heilman CJ, Levey AI, Faundez V, L'hernault SW.Mol Biol Cell. 2009 Feb;20(4):1223-1240. Epub 2008 Dec 24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	256985158
NCBI GeneID	338382
NCBI Accession #	NP_796377
NCBI GenBank Nucleotide #	NM_177403
UniProt Accession #	Q96AH8
NCBI Official Full Name	ras-related protein Rab-7b isoform a
NCBI Official Synonym Full Names	RAB7B, member RAS oncogene family
NCBI Official Symbol	RAB7B
NCBI Official Synonym Symbols	RAB7
NCBI Protein Information	ras-related protein Rab-7b
UniProt Protein Name	Ras-related protein Rab-7b
UniProt Gene Name	**RAB7B**
UniProt Entry Name	RAB7B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/rab7b-antibody-clone-3b3-immunoprecipitation-western-blot-elisa/24925