

Mouse RAB3B Monoclonal Antibody | anti-RAB3B antibody

RAB3B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290462	Mouse	Human, Mouse, Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

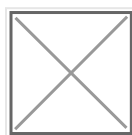
PRODUCT SYNONYMS

RAB3B; Monoclonal Antibody; RAB3B Antibody; Purified Mouse Monoclonal Antibody (Mab); Ras-related protein Rab-3B; anti-RAB3B antibody

PRODUCT SPECIFICATIONS

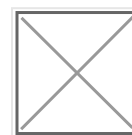
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	1543CT354.60.92
Specificity	This RAB3B antibody is generated from a mouse immunized with a recombinant protein of human RAB3B.
Purity/Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	219
Applicable Applications for anti-RAB3B antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:35871249). Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:35871249).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus {ECO:0000250 UniProtKB:Q9CZT8}. Note=Colocalizes with GAS8/DRC4 in the Golgi apparatus. {ECO:0000250 UniProtKB:Q9CZT8}
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-RAB3B Antibody at 1:2000 dilution
Lane 1: mouse brain lysate
Lane 2: rat brain lysate
Lane 3: SW480 whole cell lysate
Lane 4: human brain lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 25 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



IHC (Immunohistochemistry)

staining RAB3B in human pancreas sections by Immunohistochemistry (IHC-P-paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



FCM/FACS (Flow Cytometry)

Overlay histogram showing HepG2 cells stained with AAA290462 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA290462, 1:25 dilution) for 60 min at 37 C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (at 1/400 dilution for 40 min at 37 C. Isotype control antibody (blue line) was mouse IgG (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB3B antibody	Protein transport. Probably involved in vesicular traffic (By similarity).
Product Categories/Family for anti-RAB3B antibody	Crown Antibodies ; Cancer ; Neuroscience ; Signal Transduction
References	Zahraoui A.,et al.J. Biol. Chem. 264:12394-12401(1989). Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DBJ databases. Gregory S.G.,et al.Nature 441:315-321(2006). Rigbolt K.T.,et al.Sci. Signal. 4:RS3-RS3(2011).

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923750
NCBI GeneID	5865
NCBI Accession #	NP_002858.2
NCBI GenBank Nucleotide #	NM_002867.3
UniProt Accession #	P20337 ; Q5VUL2 ; Q9BSI1
Molecular Weight	24758
NCBI Official Full Name	ras-related protein Rab-3B
NCBI Official Synonym Full Names	RAB3B, member RAS oncogene family
NCBI Official Symbol	RAB3B
NCBI Protein Information	ras-related protein Rab-3B
UniProt Protein Name	Ras-related protein Rab-3B
UniProt Gene Name	RAB3B
UniProt Entry Name	RAB3B_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/rab3b-antibody-clone-1543ct354-60-92-immunohistochemistry-flow-cytometry-western-blot-elisa/290462>