

Mouse anti-Human RAB7A Monoclonal Antibody | anti-RAB7A antibody

RAB7A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48937	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

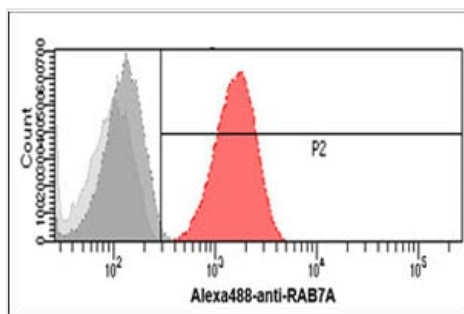
PRODUCT SYNONYMS

RAB7A; Monoclonal Antibody; RAB7A antibody; Ras-related protein Rab-7a; RAB7; anti-RAB7A antibody

PRODUCT SPECIFICATIONS

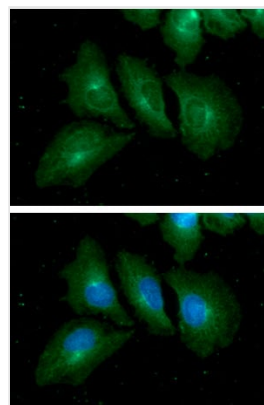
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	AT10E4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	207
Applicable Applications for anti-RAB7A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human RAB7A (1-207aa) purified from E. coli
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



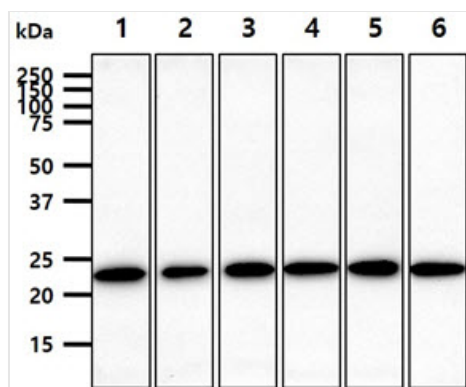
FCM/FACS (Flow Cytometry)

Flow cytometry analysis of RAB7A in HeLa cells. The cell was stained with AAA48937 at 2-5 µg for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



IF (Immunofluorescence)

ICC/IF analysis of RAB7A in HeLa cells. The cell was stained with AAA48937 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human RAB7A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: Jurkat cell lysate Lane 3.: MCF7 cell lysate Lane 4.: PC3 cell lysate Lane 5.: 293T cell lysate Lane 6.: SK-OV-3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-RAB7A antibody	Ras-related protein Rab-7a, also known as RAB7A, is a member of the Ras superfamily of small Rab GTPases. RAB7A associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes. RAB7A has also been shown to regulate growth receptor endocytic trafficking, degradation, maturation of phagosome and autophagic vacuoles.
References	Feng Y., et al. (1995) J Cell Biol. 131: 1435-52.; Barbero P., et al. (2002) J Cell Biol. 156: 511-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34147513
NCBI GeneID	7879
NCBI Accession #	NP_004628
NCBI GenBank Nucleotide #	NM_004637.5
UniProt Accession #	P51149; Q9NWX0; Q9UPB0; A8K3V6
NCBI Official Full Name	ras-related protein Rab-7a
NCBI Official Synonym Full Names	RAB7A, member RAS oncogene family
NCBI Official Symbol	RAB7A
NCBI Official Synonym Symbols	RAB7; PRO2706
NCBI Protein Information	ras-related protein Rab-7a
UniProt Protein Name	Ras-related protein Rab-7a
UniProt Gene Name	RAB7A
UniProt Synonym Gene Names	RAB7

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/rab7a-antibody-clone-at10e4-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48937>