

Rabbit RAB7/RAB7A Polyclonal Antibody | anti-RAB7/RAB7A antibody

Anti-RAB7/RAB7A Antibody Picoband

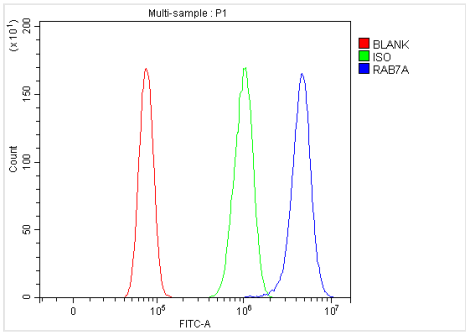
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19775	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RAB7/RAB7A; Polyclonal Antibody; Anti-RAB7/RAB7A Antibody Picoband; Segment polarity protein dishevelled homolog DVL-2; nucleoporin 214; Nuclear pore complex protein Nup214; 214 kDa nucleoporin; Nucleoporin Nup214; Protein CAN; NUP214; CAIN; CAN; KIAA0023; anti-RAB7/RAB7A antibody

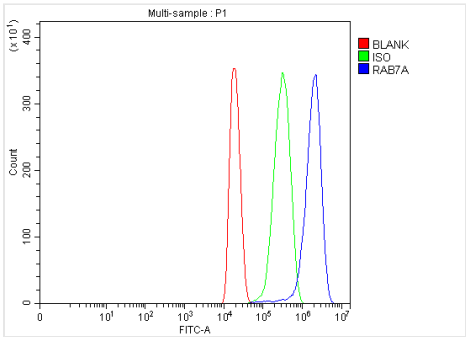
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in thymus, spleen, bone marrow, kidney, brain and testis, but hardly in all other tissues or in whole embryos during development.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RAB7/RAB7A antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC(Paraffin-embedded Section): 2-5ug/ml, Human, Mouse, Rat FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human RAB7/RAB7A recombinant protein (Position: K21-E177).
Subcellular Localization	Cell membrane, Peripheral membrane protein, Cytoplasmic side, Cytoplasm, cytosol, Cytoplasmic vesicle, Localizes at the cell membrane upon interaction with frizzled family members and promotes their internalization. Localizes to cytoplasmic puncta (By similarity).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May serve as a docking site in the receptor-mediated import of substrates across the nuclear pore complex.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 21. Flow Cytometry analysis of RH35 cells using anti-RAB7/RAB7A antibody (AAA19775).Overlay histogram showing RH35 cells stained with AAA19775 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB7/RAB7A Antibody (AAA19775, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



FCM (Flow Cytometry)

Figure 20. Flow Cytometry analysis of HEPA1-6 cells using anti-RAB7/RAB7A antibody (AAA19775).Overlay histogram showing HEPA1-6 cells stained with AAA19775 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB7/RAB7A Antibody (AAA19775, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB7/RAB7A antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RAB7/RAB7A antibody	Primary Antibodies; Cytoplasmic; Signaling Pathways; Stem Cells
References	1. "Entrez Gene: RAB7A RAB7A, member RAS oncogene family".2. Davies JP, Cotter PD, Ioannou YA (Apr 1997). "Cloning and mapping of human Rab7 and Rab9 cDNA sequences and identification of a Rab9 pseudogene". Genomics 41 (1): 131-4.3. Kashuba VI, Gizatullin RZ, Protopopov AI, Allikmets R, Korolev S, Li J, Boldog F, Tory K, Zabarovska V, Marcsek Z, Sumegi J, Klein G, Zabarovsky ER, Kisselev L (Dec 1997). "Not1 linking/jumping clones of human chromosome 3: mapping of the TFRC, RAB7 and HAUSP genes to regions rearranged in leukemia and deleted in solid tumors". FEBS Letters 419 (2-3): 181-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709999
NCBI GeneID	7879
UniProt Accession #	P51149; Q9NWX0; Q9UPB0; A8K3V6
Molecular Weight	207
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; Ras-associated protein RAB7; RAB7, member RAS oncogene family
UniProt Protein Name	Ras-related protein Rab-7a
UniProt Gene Name	RAB7A
UniProt Synonym Gene Names	RAB7
UniProt Entry Name	RAB7A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/rab7-rab7a-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19775>