

Rabbit RAB31 Polyclonal Antibody | anti-RAB31 antibody

RAB31 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325052	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

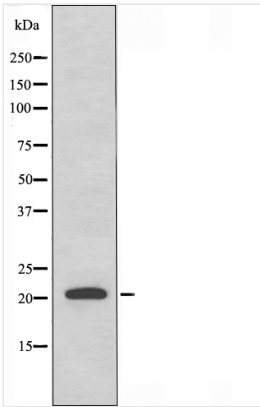
PRODUCT SYNONYMS

RAB31; Polyclonal Antibody; RAB31 Antibody; Rab 22B; RAB 31; Rab22B; Rab31; RAB31 member RAS oncogene family; RAB31_HUMAN; Ras related protein Rab 31; Ras related protein Rab31; Ras-related protein Rab-22B; Ras-related protein Rab-31; anti-RAB31 antibody

PRODUCT SPECIFICATIONS

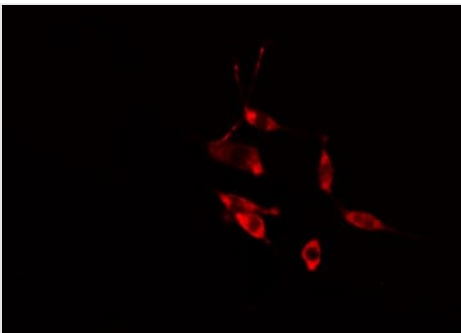
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB31 antibody detects endogenous levels of total RAB31
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	195
Applicable Applications for anti-RAB31 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Highest expression in placenta and brain with lower levels in heart and lung. Not detected in liver, skeletal muscle, kidney or pancreas.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using RAB31 antibody.



IF (Immunofluorescence)

AAA325052 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB31 antibody	Function: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. Required for the integrity and for normal function of the Golgi apparatus and the trans-Golgi network. Plays a role in insulin-stimulated translocation of GLUT4 to the cell membrane. Plays a role in M6PR transport from the trans-Golgi network to endosomes. Plays a role in the internalization of EGFR from the cell membrane into endosomes. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. Subunit Structure: Interacts with OCRL. Interacts with NGFR (By similarity). Interacts (in GDP-bound form) with RIN3 and GAPVD1, which function as guanine exchange factors (GEF). Interacts (in GTP-bound form) with EEA1. Interacts with EGFR. Similarity: Belongs to the small GTPase superfamily. Rab family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33589861
NCBI GeneID	11031
NCBI Accession #	NP_006859.2
NCBI GenBank Nucleotide #	NM_006868.3
UniProt Accession #	Q13636; Q15770; Q9HC00; B2RBT7
Molecular Weight	Observed: 21 kD Predicted: 22 kDa
NCBI Official Full Name	ras-related protein Rab-31
NCBI Official Synonym Full Names	RAB31, member RAS oncogene family
NCBI Official Symbol	RAB31
NCBI Official Synonym Symbols	Rab22B
NCBI Protein Information	ras-related protein Rab-31
UniProt Protein Name	Ras-related protein Rab-31
UniProt Gene Name	RAB31
UniProt Synonym Gene Names	RAB22B

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/polyclonal/rab31-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325052>