

Rabbit RAB7L1 Polyclonal Antibody | anti-RAB7L1 antibody

RAB7L1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325060	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RAB7L1; Polyclonal Antibody; RAB7L1 Antibody; DKFZp686P1051; Rab 7 like protein 1; RAB 7L; Rab-7-like protein 1; RAB29; Rab7 like protein 1; RAB7 member RAS oncogene family like 1; RAB7L; RAB7L_HUMAN; Ras related protein Rab 7L1; Ras related protein Rab7L1; Ras-related protein Rab-29; Ras-related protein Rab-7L1; anti-RAB7L1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB7L1 antibody detects endogenous levels of total RAB7L1
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	203
Applicable Applications for anti-RAB7L1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane. Cytoplasm. Cytoplasm, Perinuclear Region. Golgi Apparatus. Golgi Apparatus, Trans-Golgi Network. Vacuole. Cytoplasm, Cytoskeleton. Colocalizes with LRRK2 along tubular structures emerging from golgi apparatus (By similarity). Colocalizes with GM130 at the golgi apparatus. Colocalizes with dynamic tubules emerging from and retracting to the golgi apparatus. Colocalizes with TGN46 at the trans-golgi network (TGN). In Salmonella enterica serovar Typhi (S.Typhi) infected epithelial cells, is recruited and colocalized with both S.Typhi-containing vacuoles and dynamic tubules as well as those emerging from the vacuole toward the cell periphery.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (90%), Bovine (90%), Horse (90%), Sheep (90%), Rabbit (100%), Dog (90%), Xenopus (80%)
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 mouse brain, using RAB7L1 Antibody.



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using RAB7L1 antibody.



IF (Immunofluorescence)
AAA325060 staining HT29 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB7L1 antibody

Function: Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection.

Subunit Structure: Interacts with LRRK2.

Post-translational Modifications: In case of Salmonella enterica serovar Typhimurium (S.Typhimurium) infection, is proteolytically cleaved between Gly-41 and Val-42 by the GtgE viral protease encoded on the Gifsy-2 lysogen bacteriophage, which therefore prevents the recruitment of RAB29 to S.Typhimurium-containing vacuoles. In contrast, no proteolytically cleavage is detected in S.Typhi-infected cells (PubMed:22042847).

Similarity: Belongs to the small GTPase superfamily. Rab family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208609962
NCBI GeneID	8934
NCBI Accession #	NP_001129134.1
NCBI GenBank Nucleotide #	NM_001135662.1
UniProt Accession #	O14966; B4E1K3; C9JE77
Molecular Weight	Observed: 28 kD Predicted: 24 kDa
NCBI Official Full Name	ras-related protein Rab-7L1 isoform 1
NCBI Official Synonym Full Names	RAB29, member RAS oncogene family
NCBI Official Symbol	RAB29
NCBI Official Synonym Symbols	RAB7L; RAB7L1
NCBI Protein Information	ras-related protein Rab-7L1
UniProt Protein Name	Ras-related protein Rab-7L1
UniProt Gene Name	RAB29
UniProt Synonym Gene Names	RAB7L1

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/rab7l1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325060>