

Rabbit anti-Human, Rat Rab 11B Polyclonal Antibody | anti-RAB11B antibody

Rab 11B Antibody

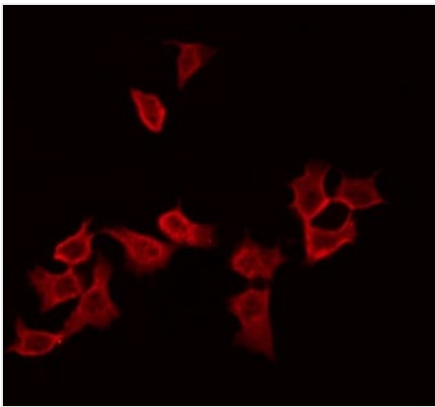
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322603	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Rab 11B; Polyclonal Antibody; Rab 11B Antibody; GTP-binding protein ypt3; H YPT3; RAB11B; RAB11B member RAS oncogene family; Ras-related protein Rab-11B; RB11B_HUMAN; YPT3; anti-RAB11B antibody

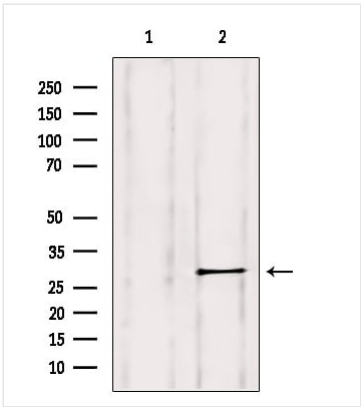
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Rab 11B antibody detects endogenous levels of total Rab 11B
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	218
Applicable Applications for anti-RAB11B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rab 11B
Subcellular Location	Cell Membrane
Tissue Specificity	Up-regulated by extracellular acidosis and down-regulated by alkalosis (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



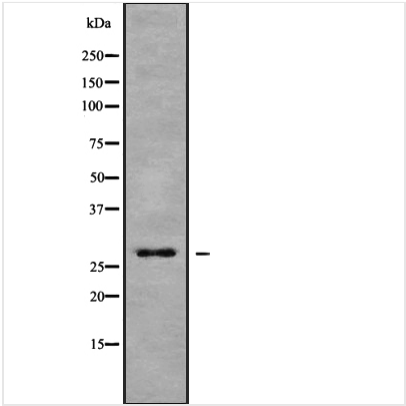
IF (Immunofluorescence)

AAA322603 staining HepG2 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.



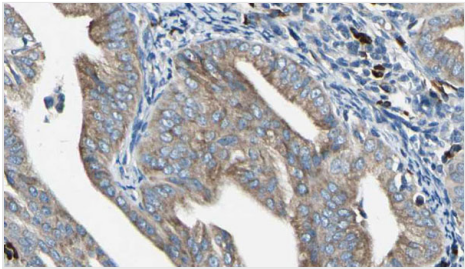
WB (Western Blot)

Western blot analysis of extracts from HepG2, using Rab 11B Antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)

Western blot analysis of Rab 11B using HepG2 whole cell lysates



IHC (Immunohistochemistry)

AAA322603 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB11B 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. That Rab plays a role in endocytic recycling, regulating apical recycling of several transmembrane proteins including cystic fibrosis transmembrane conductance regulator/CFTR, epithelial sodium channel/ENaC, potassium voltage-gated channel, and voltage-dependent L-type calcium channel. May also regulate constitutive and regulated secretion, like insulin granule exocytosis. Required for melanosome transport and release from melanocytes. Also regulates V-ATPase intracellular transport in response to extracellular acidosis.

Subunit Structure: Interacts with KCNMA1 (By similarity). Interacts with RAB11FIP1, RAB11FIP2, RAB11FIP3 and RAB11FIP4 (PubMed:11495908). May interact with TBC1D14 (PubMed:22613832). Interacts with ATP6V1E1 (PubMed:20717956). Interacts with PI4KB (PubMed:23572552). Interacts (GDP-bound form) with ZFYVE27. Interacts (GDP-bound form) with KIF5A in a ZFYVE27-dependent manner (PubMed:21976701).

Post-translational Modifications: Citrullinated by PADI4.

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	190358517
NCBI GeneID	9230

NCBI Accession #	NP_004209.2
NCBI GenBank Nucleotide #	NM_004218.3
UniProt Accession #	Q15907 ; Q2YDT2 ; Q5U0I1 ; Q6FHR0 ; Q6FI42 ; Q8NI07 ; A5YM50 ; B2R7I4 ; B4DMK0 ; D6W671
Molecular Weight	Observed: 28 kDa Predicted: 25 kDa
NCBI Official Full Name	ras-related protein Rab-11B
NCBI Official Synonym Full Names	RAB11B, member RAS oncogene family
NCBI Official Symbol	RAB11B
NCBI Official Synonym Symbols	H-YPT3; NDAGSCW
NCBI Protein Information	ras-related protein Rab-11B
UniProt Protein Name	Ras-related protein Rab-11B
UniProt Gene Name	RAB11B
UniProt Synonym Gene Names	YPT3

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/rab-11b-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322603>