

Rabbit RAP2B Polyclonal Antibody | anti-RAP2B antibody

RAP2B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325061	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

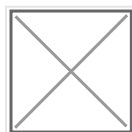
PRODUCT SYNONYMS

RAP2B; Polyclonal Antibody; RAP2B Antibody; MGC20484; RAP 2B; RAP2A; Rap2b; RAP2B member of RAS oncogene family; RAP2B_HUMAN; Ras family small GTP binding protein RAP2B; Ras related protein RAP 2B; Ras related protein RAP2B; Ras-related protein Rap-2b; Small GTP binding protein; anti-RAP2B antibody

PRODUCT SPECIFICATIONS

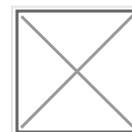
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAP2B antibody detects endogenous levels of total RAP2B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	183
Applicable Applications for anti-RAP2B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Recycling Endosome Membrane. Associated with red blood cells-released vesicles.
Tissue Specificity	Expressed in red blood cells (at protein level).
Predicted Cross Reactivity	Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (92%), Bovine (92%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325061 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.



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using RAP2B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAP2B antibody	Function: Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells. Subunit Structure: Interacts with PLCE1. Interacts with SGSM1, SGSM2 and SGSM3. The GTP-bound form of RAP2B interacts with RUNDC3A (By similarity). Post-translational Modifications: Palmitoylated. Unlike RAP2A and RAP2C, palmitoylation of RAP2B is not required for association with recycling endosome membranes and activation of TNIK. Similarity: The effector domain mediates the interaction with RUNDC3A. Belongs to the small GTPase superfamily. Ras family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38201690
NCBI GeneID	5912
NCBI Accession #	NP_002877.2
NCBI GenBank Nucleotide #	NM_002886.3
UniProt Accession #	P61225; P17964; Q96EG5; Q9CXG0
Molecular Weight	Observed: 18 kD Predicted: 21 kDa
NCBI Official Full Name	ras-related protein Rap-2b
NCBI Official Synonym Full Names	RAP2B, member of RAS oncogene family
NCBI Official Symbol	RAP2B
NCBI Protein Information	ras-related protein Rap-2b
UniProt Protein Name	Ras-related protein Rap-2b
UniProt Gene Name	RAP2B

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/rap2b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325061>