

Rabbit RAB27A Polyclonal Antibody | anti-RAB27A antibody

RAB27A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326466	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RAB27A; Polyclonal Antibody; RAB27A Antibody; GS2; GTP-binding protein Ram; HsT18676; MGC117246; Mutant Ras related protein Rab-27A; Rab-27; RAB-27A; RAB27; RAB27A member RAS oncogene family; RAM; Ras-related protein Rab-27A; Ras-related protein Rab27A; RB27A_HUMAN; anti-RAB27A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB27A antibody detects endogenous levels of total RAB27A
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	221
Applicable Applications for anti-RAB27A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAB27A
Subcellular Location	Membrane. Melanosome. Late Endosome. Lysosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Localizes to endosomal exocytic vesicles.
Tissue Specificity	Found in all the examined tissues except in brain. Low expression was found in thymus, kidney, muscle and placenta. Detected in melanocytes, and in most tumor cell lines examined. Expressed in cytotoxic T-lymphocytes (CTL) and mast cells.
Predicted Cross Reactivity	Horse, Sheep, Chicken
Similarity	Horse (90%), Sheep (82%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326466 at 1/100 staining Mouse kidney 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.



WB (Western Blot)
Western blot analysis of K562 cell lysate, using RAB27A Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA326466 staining HepG2 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-RAB27A antibody	Description: The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Mutations in this gene are associated with Griscelli syndrome type 2. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. Function: Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse. Subunit Structure: Binds SYTL1, SLAC2B, MYRIP, SYTL3, SYTL4 and SYTL5. Interacts with RPH3A and RPH3A (By similarity). Binds MLPH and SYTL2. Interacts with UNC13D. Does not interact with the BLOC-3 complex (heterodimer of HPS1 and HPS4) (PubMed:20048159). Similarity: Belongs to the small GTPase superfamily. Rab family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923264
NCBI GeneID	5873
NCBI Accession #	NP_004571.2
NCBI GenBank Nucleotide #	NM_004580.4
UniProt Accession #	P51159; O00195; Q6FI40; Q9UIR9; Q9Y5U3
Molecular Weight	Observed: 24 kDa Predicted: 25 kDa
NCBI Official Full Name	ras-related protein Rab-27A
NCBI Official Synonym Full Names	RAB27A, member RAS oncogene family
NCBI Official Symbol	RAB27A
NCBI Official Synonym Symbols	GS2; RAM; RAB27; HsT18676
NCBI Protein Information	ras-related protein Rab-27A
UniProt Protein Name	Ras-related protein Rab-27A
UniProt Gene Name	RAB27A

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/rab27a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326466>