

Rabbit RAB27A Polyclonal Antibody | anti-RAB27A antibody

Anti-RAB27A Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19152	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

RAB27A; Polyclonal Antibody; Anti-RAB27A Picoband antibody; Ras-related protein Rab-27A; Rab-27; GTP-binding protein Ram; RAB27; anti-RAB27A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	213
Applicable Applications for anti-RAB27A antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5µg/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1µg/ml Immunohistochemistry(Frozen Section): 0.5-1µg/ml ICC: 0.5-1µg/ml FC/FACS: 1-3g/1x10 ⁶ cells Direct ELISA: 0.1-0.5µg/ml
Immunogen	E Coli-derived human RAB27A recombinant protein (Position: L98-K216).
Subcellular Localization	Membrane; Lipid-anchor. Melanosome.
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.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of K562 cells using anti-RAB27A antibody (AAA19152). Overlay histogram showing K562 cells stained with AAA19152 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB27A Antibody (AAA19152, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight @488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of RAB27A using anti-RAB27A antibody (AAA19152). RAB27A was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RAB27A Antibody (AAA19152) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of RAB27A using anti-RAB27A antibody (AAA19152). RAB27A was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RAB27A Antibody (AAA19152) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of RAB27A using anti-RAB27A antibody (AAA19152). RAB27A was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RAB27A Antibody (AAA19152) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of RAB27A using anti-RAB27A antibody (AAA19152). RAB27A was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RAB27A Antibody (AAA19152) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of RAB27A using anti-RAB27A antibody (AAA19152). RAB27A was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RAB27A Antibody (AAA19152) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB27A antibody	Description: Ras-related protein Rab-27A is a protein that in humans is encoded by the RAB27A gene. 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. Protein Function: Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse.
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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	24,041 Da
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
UniProt Synonym Gene Names	RAB27; Rab-27

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-flow-cytometry-immunohistochemistry-immunocytochemistry-western-blot-elisa/19152>