

Rabbit RAB5A/B/C Polyclonal Antibody | anti-RAB5A/B/C antibody

Anti-RAB5A/B/C Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19438	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

RAB5A/B/C; Polyclonal Antibody; Anti-RAB5A/B/C Antibody Picoband; anti-RAB5A/B/C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human APLP1
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-RAB5A/B/C antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Assay Type	Sandwich
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



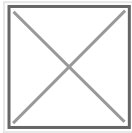
IF (Immunofluorescence)

Figure 7. IF analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



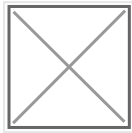
IHC (Immunohistochemistry)

Figure 6. IHC analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in a paraffin-embedded section of human renal cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in a paraffin-embedded section of human lymphoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of RAB5A/B/C using anti-RAB5A/B/C antibody (AAA19438).RAB5A/B/C was detected in a paraffin-embedded section of human adenocarcinoma of the right colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAB5A/B/C Antibody (AAA19438) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB5A/B/C antibody	Background: This gene encodes a member of the highly conserved amyloid precursor protein gene family. It is mapped to 19q13.12. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. Principle of the Assay: The Quick Picokine™ Human APLP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human APLP1 in cell culture supernatants, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human APLP1 with immunogen: Expression system for standard: NS0; Immunogen sequence: S39-E580. To measure Human APLP1, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human APLP1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human APLP1 in the sample.
Product Categories/Family for anti-RAB5A/B/C antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923262
NCBI GeneID	5868
NCBI Accession #	NP_004153.2
NCBI GenBank Nucleotide #	NM_004162.4
UniProt Accession #	P20339; P61020; P51148
Molecular Weight	215
NCBI Official Full Name	ras-related protein Rab-5A
NCBI Official Synonym Full Names	RAB5A, member RAS oncogene family
NCBI Official Symbol	RAB5A
NCBI Official Synonym Symbols	RAB5
NCBI Protein Information	ras-related protein Rab-5A; RAS-associated protein RAB5A
UniProt Protein Name	Ras-related protein Rab-5A
UniProt Gene Name	RAB5A
UniProt Synonym Gene Names	RAB5
UniProt Entry Name	RAB5A_HUMAN

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/rab5a-b-c-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/19438>