

Rabbit RAB1B Polyclonal Antibody | anti-RAB1B antibody

Anti-RAB1B Antibody

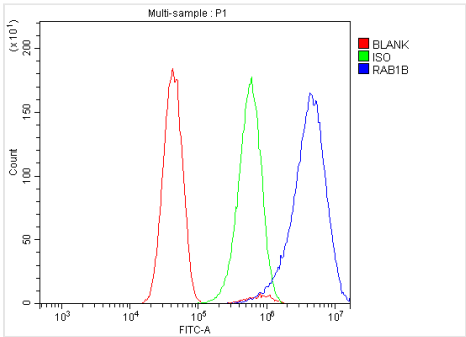
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19296	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

RAB1B; Polyclonal Antibody; Anti-RAB1B Antibody; Rab1b; Ras-related protein Rab-1B; member RAS oncogene family; anti-RAB1B antibody

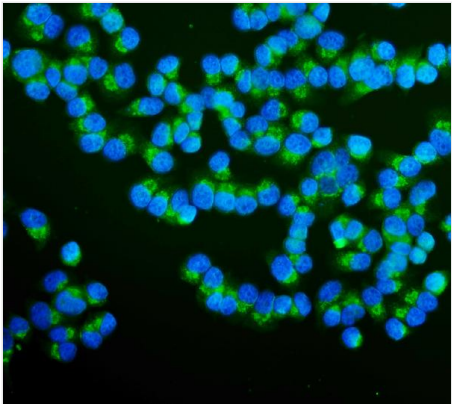
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for RAB1B detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.005mg Na ₃ .
Applicable Applications for anti-RAB1B antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5ug/ml Human, Mouse, Rat IHC-P: 2-5ug/ml Human ICC/IF: 5ug/ml Human FC/FACS/FCM: 1-3ug/1x10 ⁶ cells Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence of human RAB1B (AAEIKRMGPGAASGGERPNLKIDSTPVKPA).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
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.



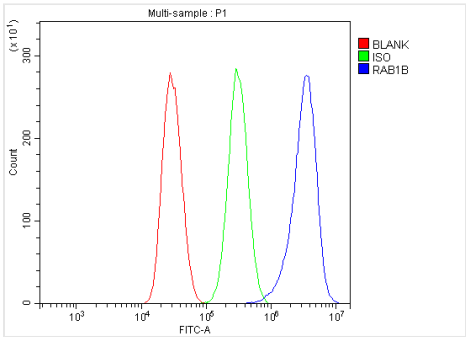
FCM (Flow Cytometry)

Figure 9. Flow Cytometry analysis of U251 cells using anti-RAB1B antibody (AAA19296).Overlay histogram showing U251 cells stained with AAA19296 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB1B Antibody (AAA19296, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



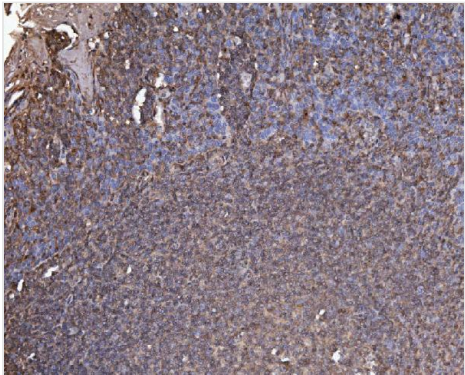
IF (Immunofluorescence)

Figure 7. IF analysis of RAB1B using anti- RAB1B antibody (AAA19296).RAB1B was detected in immunocytochemical section of T-47D cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5μg/mL rabbit anti-RAB1B Antibody (AAA19296) overnight at 4 degree C. DyLight®488 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.



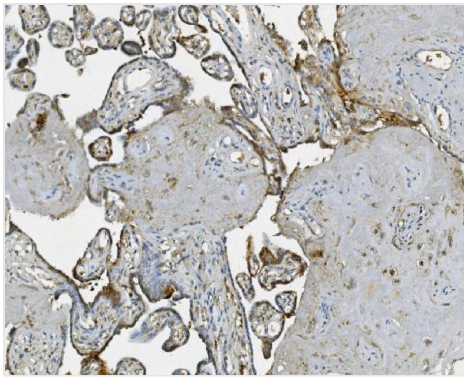
FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of HEPA1-6 cells using anti-RAB1B antibody (AAA19296).Overlay histogram showing HEPA1-6 cells stained with AAA19296 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB1B Antibody (AAA19296, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



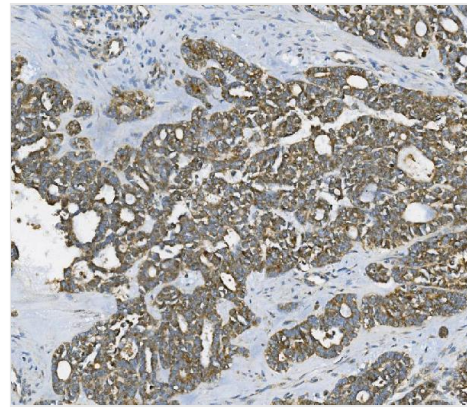
IHC (Immunohistochemistry)

Figure 6. IHC analysis of RAB1B using anti-RAB1B antibody (AAA19296).RAB1B was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RAB1B Antibody (AAA19296) 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 Strepavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 5. IHC analysis of RAB1B using anti-RAB1B antibody (AAA19296). RAB1B was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RAB1B Antibody (AAA19296) 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) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 4. IHC analysis of RAB1B using anti-RAB1B antibody (AAA19296). RAB1B was detected in paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RAB1B Antibody (AAA19296) 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) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-RAB1B antibody	Ras-related protein Rab-1B is a protein that in humans is encoded by the RAB1B gene. Members of the RAB protein family, such as RAB1B, are low molecular mass monomeric GTPases localized on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB1B functions in the early secretory pathway and is essential for vesicle transport between the endoplasmic reticulum (ER) and Golgi.
References	1. Alvarez, C., Garcia-Mata, R., Brandon, E., Sztul, E. COPI recruitment is modulated by a Rab1b-dependent mechanism. <i>Molec. Biol. Cell</i> 14: 2116-2127, 2003. 2. Chen, D., Guo, J., Gahl, W. A. RAB GTPases expressed in human melanoma cells. <i>Biochim. Biophys. Acta</i> 1355: 1-6, 1997. 3. Hartz, P. A. Personal Communication. Baltimore, Md. 1/29/2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13569962
NCBI GeneID	81876
NCBI Accession #	NP_112243.1
NCBI GenBank Nucleotide #	NM_030981.2
UniProt Accession #	Q9H0U4; A8K7S1
Molecular Weight	22,171 Da
NCBI Official Full Name	ras-related protein Rab-1B
NCBI Official Synonym Full Names	RAB1B, member RAS oncogene family
NCBI Official Symbol	RAB1B
NCBI Protein Information	ras-related protein Rab-1B; small GTP-binding protein
UniProt Protein Name	Ras-related protein Rab-1B
UniProt Gene Name	RAB1B
UniProt Entry Name	RAB1B_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rab1b-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19296>