

Rabbit RAB27B Polyclonal Antibody | anti-RAB27B antibody

Anti-RAB27B Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19825	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

RAB27B; Polyclonal Antibody; Anti-RAB27B Antibody Picoband; Ras-related protein Rab-27B; member RAS oncogene family; EC 3.6.5.2; C25KG; anti-RAB27B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Applicable Applications for anti-RAB27B 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: 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RAB27B, which shares 95.5% amino acid (aa) sequence identity with both mouse and rat RAB27B.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	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.

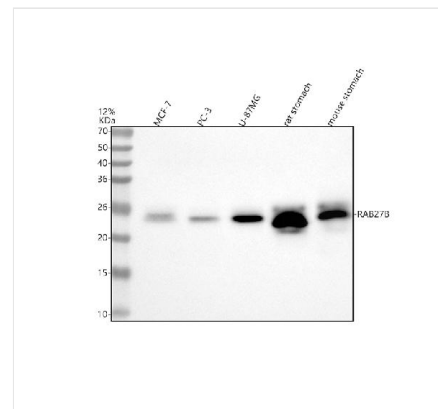


Figure 7. Flow Cytometry analysis of PC-3 cells using anti-RAB27B antibody (AAA19825). Overlay histogram showing PC-3 cells stained with AAA19825 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RAB27B Antibody (AAA19825, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Figure 6. IF analysis of RAB27B using anti-RAB27B antibody (AAA19825).RAB27B was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAB27B Antibody (AAA19825) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAB27B Antibody (AAA19825) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAB27B Antibody (AAA19825) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAB27B Antibody (AAA19825) 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 (Lane 2: human PC-3 whole cell lysates, Lane 3: human U-87MG whole cell lysates, Lane 4: rat stomach tissue lysates, Lane 5: mouse stomach tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RAB27B antigen affinity purified polyclonal antibody (#AAA19825) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RAB27B at approximately 25 kDa. The expected band size for RAB27B is at 25 kDa.

Related Product Information for anti-RAB27B antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RAB27B antibody	Primary Antibodies
References	1. Chen, D., Guo, J., Miki, T., Tachibana, M., Gahl, W. A. Molecular cloning and characterization of rab27a and rab27b, novel human rab proteins shared by melanocytes and platelets. Biochem. Molec. Med. 60: 27-37, 1997.

NCBI GI #	5729997
NCBI GeneID	5874
NCBI Accession #	NP_004154.2

NCBI GenBank Nucleotide #	NM_004163.4
UniProt Accession #	O00194; Q9BZB6; B2RAB0
Molecular Weight	24,608 Da
NCBI Official Full Name	ras-related protein Rab-27B
NCBI Official Synonym Full Names	RAB27B, member RAS oncogene family
NCBI Official Symbol	RAB27B
NCBI Official Synonym Symbols	C25KG
NCBI Protein Information	ras-related protein Rab-27B
UniProt Protein Name	Ras-related protein Rab-27B
UniProt Gene Name	RAB27B
UniProt Entry Name	RB27B_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/rab27b-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19825>