

Goat RAB8A / RAB8 Polyclonal Antibody | anti-RAB8A / RAB8 antibody

Anti-RAB8A / RAB8 Antibody (C-Terminus) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162221	Goat	Reactivity: Mouse, Rat, Human Predicted Reactivity: Monkey, Canine (at least 90% immunogen sequence identity)	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

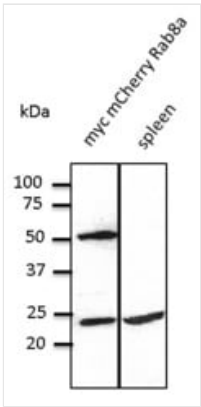
RAB8A / RAB8; Polyclonal Antibody; Anti-RAB8A / RAB8 Antibody (C-Terminus) IHC-plus; Goat Polyclonal (IgG) to Mouse RAB8A / RAB8; Mouse RAB8A / RAB8; RAB8A; RAB8; Ras-related protein rab-8; Oncogene c-mel; Ras-associated protein RAB8; Ras-related protein Rab-8A; MEL; anti-RAB8A / RAB8 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Reactivity: Mouse, Rat, Human Predicted Reactivity: Monkey, Canine (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Isotype	IgG
Specificity	Detects a band of 24 kDa by Western blot in the following human, rat and mouse whole cell lysates and transfected cells with GFP-Rab8a and GFP-Rab8b cds.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 20% glycerol, 0.05% sodium azide.
Concentration	3 mg/ml (varies by lot)
Sequence Length	207
Applicable Applications for anti-RAB8A / RAB8 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	RAB8A/RAB8 antibody was raised against purified recombinant peptide derived from within residues 170 aa to the C-terminus of mouse Rab8a and Rab8b produced in E Coli.
Immunogen species	RAB8A/RAB8 antibody was raised against Mouse
Antigen Type	Recombinant protein
Antigen Modification	C-Terminus
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

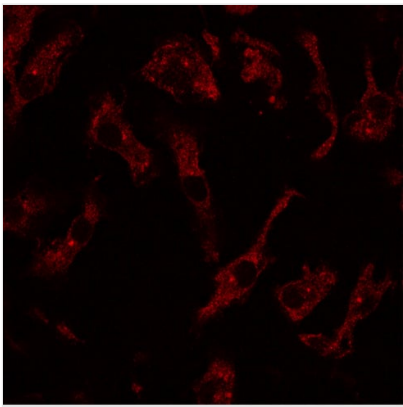
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze-thaw cycles.

IMAGES



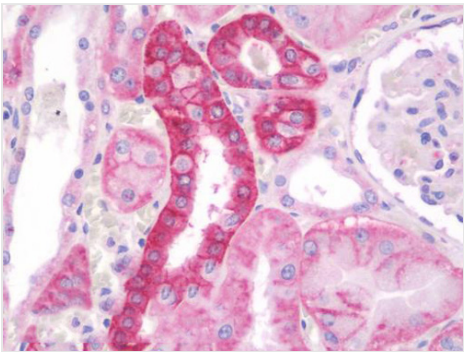
WB (Western Blot)

Western blot. Anti-Rab8 antibody at 1:500 dilution. Lysates at 50 ug per lane. Rabbit polyclonal to goat IgG (HRP) at 1:10000 dilution.



IF (Immunofluorescence)

Immunofluorescence - anti-Rab8 antibody at 1:100 dilution using primary macrophages. Cells were fixed with 4% of PFA.



IHC (Immunohistochemistry)

Anti-RAB8A / RAB8 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB8A / RAB8 antibody	RAB8A Antibody, RAB8 Antibody, Ras-related protein rab-8 Antibody, Oncogene c-mel Antibody, Ras-associated protein RAB8 Antibody, Ras-related protein Rab-8A Antibody, MEL Antibody Description: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in polarized vesicular trafficking and neurotransmitter release.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16933567
NCBI GeneID	4218
NCBI Accession #	NP_005361.2
NCBI GenBank Nucleotide #	NM_005370.4
UniProt Accession #	P61006; P24407; Q6FHV5; B4DEK7
Molecular Weight	23,564 Da
NCBI Official Full Name	ras-related protein Rab-8A
NCBI Official Synonym Full Names	RAB8A, member RAS oncogene family
NCBI Official Symbol	RAB8A

NCBI Official Synonym Symbols	MEL; RAB8
NCBI Protein Information	ras-related protein Rab-8A
UniProt Protein Name	Ras-related protein Rab-8A
UniProt Gene Name	RAB8A
UniProt Synonym Gene Names	MEL; RAB8
UniProt Entry Name	RAB8A_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://www.aaabiotech.com/polyclonal/rab8a-rab8-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/162221>