

Rabbit RAB38 Polyclonal Antibody | anti-RAB38 antibody

RAB38 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325055	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

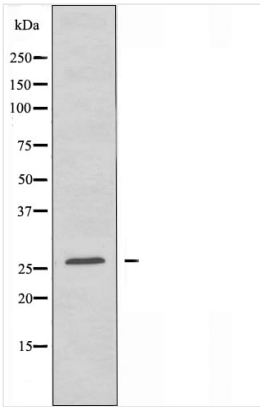
PRODUCT SYNONYMS

RAB38; Polyclonal Antibody; RAB38 Antibody; Antigen NY MEL 1; Melanoma antigen NY MEL 1; Melanoma antigen NY-MEL-1; NY MEL 1; RAB 38; Rab related GTP binding protein; Rab38; RAB38 member RAS oncogene family; RAB38_HUMAN; Ras related protein Rab 38; Ras-related protein Rab-38; rrGTPbp; anti-RAB38 antibody

PRODUCT SPECIFICATIONS

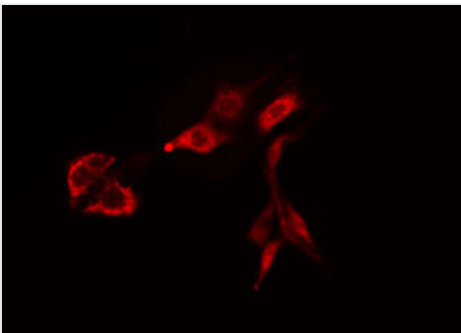
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB38 antibody detects endogenous levels of total RAB38
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	211
Applicable Applications for anti-RAB38 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane
Tissue Specificity	Expressed in melanocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (91%), Chicken (82%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



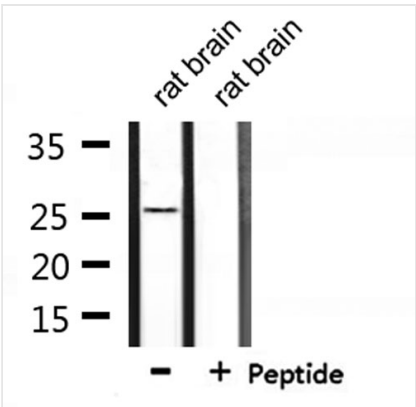
WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using RAB38 antibody.



IF (Immunofluorescence)

AAA325055 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat brain, using RAB38 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB38 antibody

Function: May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with ANKRD27 and VAMP7 (By similarity). Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis (PubMed:21255211). Plays an important role in the control of melanin production and melanosome biogenesis (PubMed:23084991). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (By similarity).

Subunit Structure: Interacts with ANKRD27 (PubMed:19403694).

Post-translational Modifications: Although at least one in vitro system can process and methylate the prenylated C-terminal, in an in vitro system that normally express Rab-38 and in vivo the prenylated C-terminal is not proteolytically processed and not methylated.

Similarity: Belongs to the small GTPase superfamily. Rab family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11641237
NCBI GeneID	23682
NCBI Accession #	NP_071732.1
NCBI GenBank Nucleotide #	NM_022337.2
UniProt Accession #	P57729; Q53XK7

Molecular Weight	Observed: 26 kD Predicted: 24 kDa
NCBI Official Full Name	ras-related protein Rab-38
NCBI Official Synonym Full Names	RAB38, member RAS oncogene family
NCBI Official Symbol	RAB38
NCBI Official Synonym Symbols	rrGTPbp; NY-MEL-1
NCBI Protein Information	ras-related protein Rab-38
UniProt Protein Name	Ras-related protein Rab-38
UniProt Gene Name	RAB38

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/rab38-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325055>