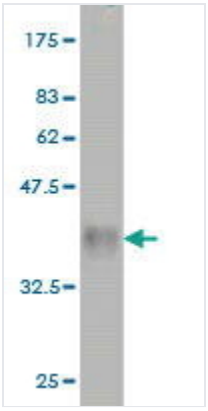
RAB38 Antibody – Mouse Monoclonal

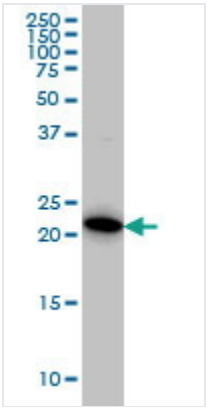
PRODUCT OVERVIEW

Product Name	RAB38, Monoclonal Antibody
Full Product Name	RAB38 (Ras-related Protein Rab-38, Melanoma Antigen NY-MEL-1) APC
Product Gene Name	anti-RAB38 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	7F1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RAB38.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	24kDa
OMIM	606281
3D Structure	ModBase 3D Structure for P57729
Immunogen	Partial recombinant corresponding to aa115-212 from RAB38 (NP_071732) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PNGKPVSVVLLANKCDQGKDVLMNNGLKMDQFCKEHGFVGWFETSAKENINIDEASRCLVKHILANECDLMESIEPDVVKPHLTSTKVASCSGCAKS*
Conjugate	APC
Product Categories/Family for anti-RAB38 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RAB38 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-RAB38 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RAB38 antibody	May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis.

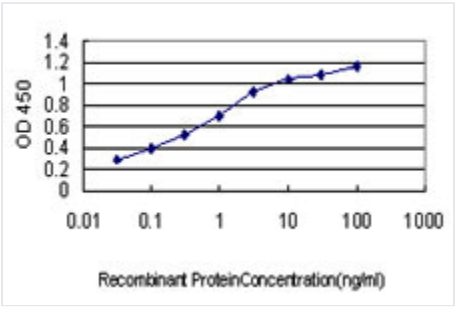
Other Notes	Small volumes of anti-RAB38 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RAB38 purchase	MBS6138567 is an antibody targeting RAB38. Also known as RAB38 (Ras-related Protein Rab-38, Melanoma Antigen NY-MEL-1) APC. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-RAB38 antibody
Western Blot detection against Immunogen (36.78kD).



Western Blot (WB) of anti-RAB38 antibody
RAB38 monoclonal antibody. Western Blot analysis of RAB38 expression in A-431.



Testing Data of anti-RAB38 antibody
Detection limit for recombinant GST tagged RAB38 is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB38. It may not necessarily be applicable to this product.

NCBI GI #	11641237
NCBI GeneID	23682
NCBI Accession #	NP_071732
UniProt Primary Accession #	P57729
UniProt Related Accession #	P57729
GenBank Nucleotide #	NM_022337
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
UniProt Protein Name	Ras-related protein Rab-38
UniProt Synonym Protein Names	Melanoma antigen NY-MEL-1

Protein Family	Ras-related protein
UniProt Gene Name	RAB38
UniProt Entry Name	RAB38_HUMAN
NCBI Protein Information	ras-related protein Rab-38
UniProt Comments for RAB38	RAB38: May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Expressed in melanocytes. Belongs to the small GTPase superfamily. Rab family. Protein type: G protein, monomeric, Rab; G protein, monomeric; G protein Chromosomal Location of Human Ortholog: 11q14 Cellular Component: phagocytic vesicle membrane; membrane; endoplasmic reticulum; early endosome; melanosome; plasma membrane; phagocytic vesicle; trans-Golgi network; cytosol Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; GTP-dependent protein binding Biological Process: intracellular protein transport; protein transport; platelet dense granule organization and biogenesis; metabolic process; small GTPase mediated signal transduction; Rab protein signal transduction
Research Articles on RAB38	**1.** Rab38 was associated with albuminuria in type 2 diabetes patients. Relative expression of RAB38 was higher in tubuli of patients with diabetic kidney disease compared with control subjects.
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