

## ARG42533 anti-RAB38 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes RAB38
Tested Reactivity	Hu, Ms, Rat, Dog, Mk
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	RAB38
Species	Mouse
Immunogen	Purified recombinant peptide within aa. 110 to the C-terminus of Mouse RAB38.
Conjugation	Un-conjugated
Alternate Names	Ras-related protein Rab-38; rrGTPbp; NY-MEL-1; Melanoma antigen NY-MEL-1

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MNT-1	
Observed Size	~ 25 kDa	

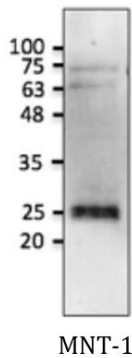
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Sodium azide and 20% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	20% Glycerol
Concentration	4 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	RAB38
Gene Full Name	RAB38, member RAS oncogene family
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). [UniProt]
Calculated Mw	24 kDa
PTM	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. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor; Cytoplasmic side. Melanosome. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Melanosome membrane. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211). The BLOC-3 complex, a heterodimer of HPS1 and HPS4 promotes its membrane localization (PubMed:23084991). [UniProt]

## Images



ARG42533 anti-RAB38 antibody WB image

Western blot: 50 µg of MNT-1 cell lysate stained with ARG42533 anti-RAB38 antibody at 1:2500 dilution.