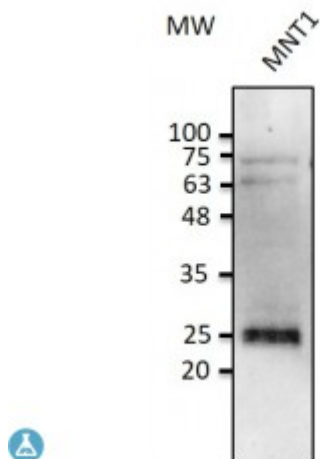


Anti-Rab38 antibody



Description

Goat polyclonal antibody to Rab38. Rab38 belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and involved in intracellular vesicle transport and small GTPase mediated signal transduction.

Model	STJ140135
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	WB
Immunogen	Purified recombinant peptide derived from within residues 110 aa to the C-terminus of mouse Rab38 produced in E. coli.
Immunogen Region	C-Term
Gene ID	23682
Gene Symbol	RAB38
Dilution range	Western blot 1:500-1:5,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Specificity	Detects endogenous levels of Rab38 by Western blot.
Tissue Specificity	Expressed in melanocytes.
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).
Protein Name	Ras-related protein Rab-38 (Melanoma antigen NY-MEL-1)

Molecular Weight	24 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:97760 MIM:606281
Alternative Names	Ras-related protein Rab-38 (Melanoma antigen NY-MEL-1)
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 . Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis . Plays an important role in the control of melanin production and melanosome biogenesis . In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes .
Cellular Localization	Cell membrane Melanosome Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane Melanosome membrane. Recruited to phagosomes containing S.aureus or M.tuberculosis . The BLOC-3 complex, a heterodimer of HPS1 and HPS4 promotes its membrane localization .
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.