

Anti-Rab 38 antibody



Description	Rabbit polyclonal to Rab 38.
Model	STJ95298
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Rab 38
Immunogen Region	50-130 aa, Internal
Gene ID	23682
Gene Symbol	RAB38
Dilution range	WB 1:500-1:2000ELISA 1:20000
Specificity	Rab 38 Polyclonal Antibody detects endogenous levels of Rab 38 protein.
Tissue Specificity	Expressed in melanocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rab-38 Melanoma antigen NY-MEL-1
Molecular Weight	26 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9776OMIM: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.