

RAB38 Antibody (aa80-129)
Rabbit Polyclonal Antibody
Catalog # ALS16680**Specification**

RAB38 Antibody (aa80-129) - Product Information

Application	IHC, WB
Primary Accession	P57729
Other Accession	23682
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23712

RAB38 Antibody (aa80-129) - Additional Information**Gene ID** 23682**Other Names**

RAB38, Melanoma antigen NY-MEL-1, Ras-related protein Rab-38, RrGTPbp, NY-MEL-1

Target/Specificity

RAB38 Antibody detects endogenous levels of total RAB38 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

RAB38 Antibody (aa80-129) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB38 Antibody (aa80-129) - Protein Information**Name** RAB38**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:<[a href="http://www.uniprot.org/citations/21255211" target="_blank">21255211](http://www.uniprot.org/citations/21255211)). Plays an important role in the control of melanin production and melanosome biogenesis (PubMed:<[a href="http://www.uniprot.org/citations/23084991" target="_blank">23084991](http://www.uniprot.org/citations/23084991)). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (By similarity).

Cellular Location

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)

Tissue Location

Expressed in melanocytes.

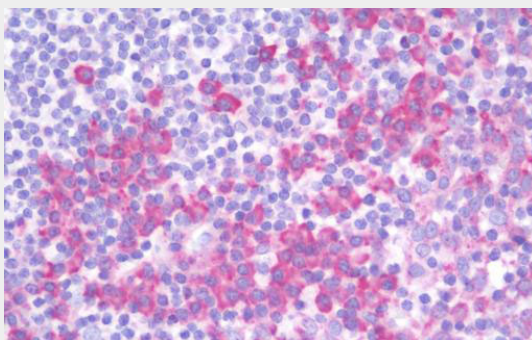
Volume

50 µl

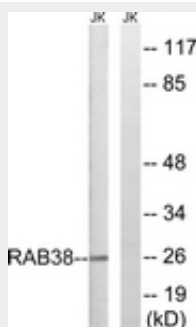
RAB38 Antibody (aa80-129) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAB38 Antibody (aa80-129) - Images

Anti-RAB38 antibody IHC staining of human tonsil.



Western blot of extracts from Jurkat cells, using RAB38 Antibody.

RAB38 Antibody (aa80-129) - Background

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RAB38 Antibody (aa80-129) - References

Jaeger D.,et al.Cancer Res. 60:3584-3591(2000).
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Basrur V.,et al.J. Proteome Res. 2:69-79(2003).
Chi A.,et al.J. Proteome Res. 5:3135-3144(2006).
Leung K.F.,et al.J. Biol. Chem. 282:1487-1497(2007).