

RAB38 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12126**Specification**

RAB38 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P57729
Other Accession	NM_022337 , NP_071732
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Chicken, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 24kDa kDa

RAB38 antibody - N-terminal region - Additional Information**Gene ID** 23682**Alias Symbol** NY-MEL-1, rrGTPbp
Other Names
Ras-related protein Rab-38, Melanoma antigen NY-MEL-1, RAB38**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RAB38 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RAB38 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RAB38 antibody - N-terminal region - 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: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).

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

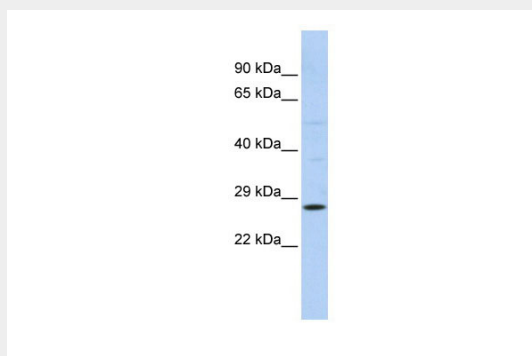
Expressed in melanocytes.

RAB38 antibody - N-terminal region - 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](#)

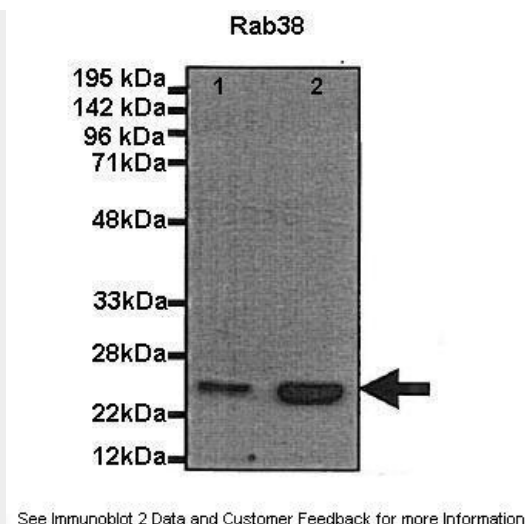
RAB38 antibody - N-terminal region - Images



WB Suggested Anti-RAB38 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: MCF7 cell lysate



Human , Mouse

RAB38 antibody - N-terminal region - References

Wang, F., (2008) Biochem. Biophys. Res. Commun. 372(1), 162-167 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.