

RAB27B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12742c

Specification

RAB27B Antibody (Center) - Product Information

Application WB, IHC-P,E
Primary Accession Other Accession Og9958,

NP_004154.2 Human

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region

Human
Mouse
Rabbit
Polyclonal
Rabbit Ig
24608
121-150

RAB27B Antibody (Center) - Additional Information

Gene ID 5874

Other Names

Ras-related protein Rab-27B, C25KG, RAB27B

Target/Specificity

This RAB27B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 121-150 amino acids from the Central region of human RAB27B.

Dilution

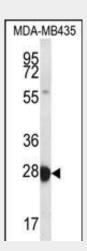
WB~~1:1000 IHC-P~~1:10~50

Format

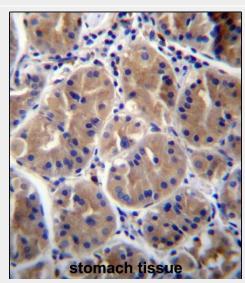
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

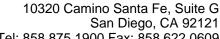
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



RAB27B Antibody (Center) (Cat. #AP12742c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the RAB27B antibody detected the RAB27B protein (arrow).



RAB27B Antibody (Center) (Cat. #AP12742c)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RAB27B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.





Tel: 858.875.1900 Fax: 858.622.0609

Precautions

RAB27B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB27B Antibody (Center) - Protein Information

Name RAB27B

Function

Small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, binds to a variety of effector proteins to regulate homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion (PubMed:30771381). Plays a role in NTRK2/TRKB axonal anterograde transport by facilitating the association of NTRK2/TRKB with KLC1 (PubMed:21775604). May be involved in targeting uroplakins to urothelial apical membranes (By similarity).

Cellular Location

Membrane; Lipid-anchor. Late endosome

Tissue Location

Expressed primarily in testis.

RAB27B Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cvtometv
- Cell Culture

RAB27B Antibody (Center) - Background

Members of the Rab protein family, including RAB27B, are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking (Chen et al., 1997 [PubMed 9066979]).[supplied by OMIM1.

RAB27B Antibody (Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010):

Hendrix, A., et al. J. Natl. Cancer Inst. 102(12):866-880(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010)

Hayasaka, S., et al. Asian J. Androl. 10(4):561-568(2008) Shirakawa, R., et al. J. Biol. Chem.

279(11):10730-10737(2004)