

RAB27B Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12742c

Specification

RAB27B Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	O00194
Other Accession	O99P58 , NP_004154.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24608
Antigen Region	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.

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

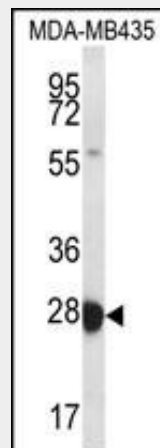
Expressed primarily in testis.

RAB27B Antibody (Center) - Protocols

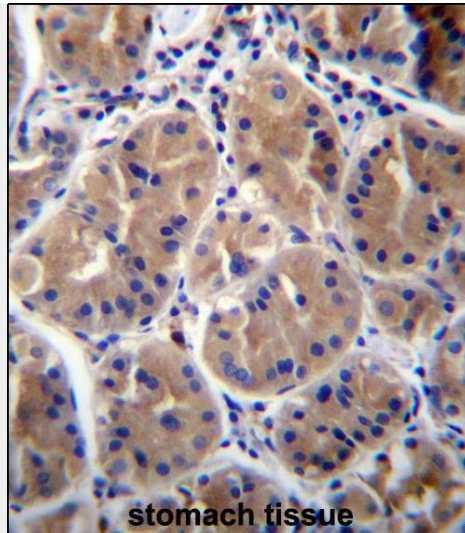
Provided below are standard protocols that you may find useful for product applications.

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

RAB27B Antibody (Center) - Images



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.

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 OMIM].

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)