

RAB27B Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8508b

Product Information

Application	WB, E
Primary Accession	O00194
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1596CT584.1.45
Calculated MW	24608

Additional Information

Gene ID	5874
Other Names	Ras-related protein Rab-27B, C25KG, RAB27B
Target/Specificity	This RAB27B antibody is generated from a mouse immunized with a recombinant protein of human RAB27B.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAB27B (HGNC:9767)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed: 21775604 , PubMed: 30771381). RAB27B regulates 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.

Background

May be involved in targeting uroplakins to urothelial apical membranes.

References

Chen D.,et al.Biochem. Mol. Med. 60:27-37(1997).

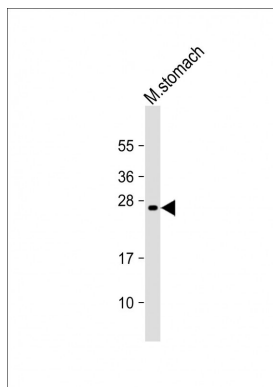
Chen D.,et al.Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.

Ramalho J.S.,et al.BMC Genet. 2:2-2(2001).

Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Anti-RAB27B Antibody at 1:2000 dilution + mouse stomach lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.