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RAB27B Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8508b

Product Information

Application	WB, E
Primary Accession	O00194
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Canine, Rabbit
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.

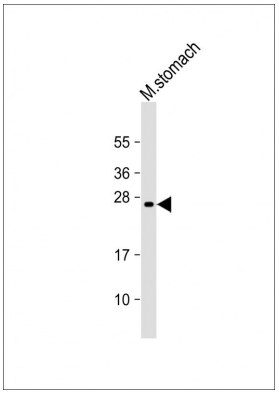
Background

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'.