

RAB27B Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8688b

Product Information

Application	WB, FC, E
Primary Accession	O00194
Reactivity	Human, Mouse
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1596CT245.254.49
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 FC~~1:25 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.

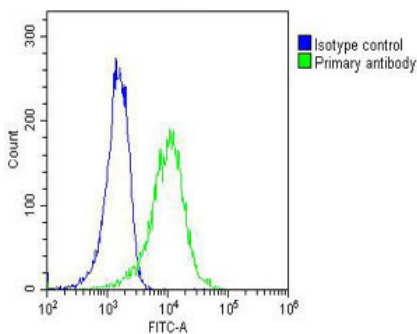
Background

May be involved in targeting uroplakins to urothelial apical membranes.

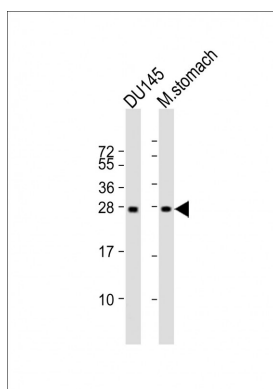
References

- 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



Overlay histogram showing A431 cells stained with AM8688b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AM8688b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OJ192088) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1 µg/1 × 10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



All lanes : Anti-RAB27B Antibody at 1:2000 dilution Lane 1: DU145 whole cell lysate Lane 2: 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'.