

RAB23 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2026b

Product Information

Application	WB, FC, IF, E
Primary Accession	Q9ULC3
Other Accession	NP_057361.3 , NP_899050.1
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	427CT2.1.1

Additional Information

Other Names	Ras-related protein Rab-23, RAB23
Target/Specificity	Purified His-tagged RAB23 protein(Fragment) was used to produced this monoclonal antibody.
Dilution	WB~~1:100~1000 FC~~1:25 IF~~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	RAB23 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

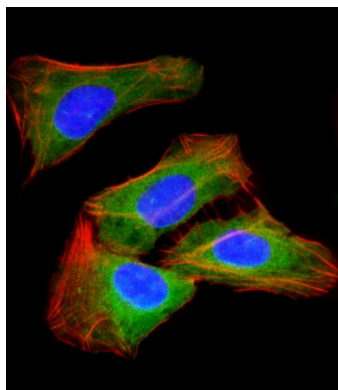
Background

The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. It may be involved in small GTPase mediated signal transduction and intracellular protein transportation. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified.

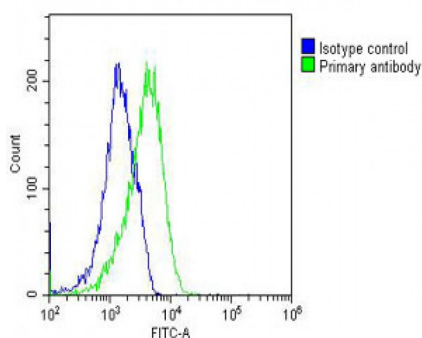
References

Alessandri, J.L., et al. Am. J. Med. Genet. A 152A (4), 982-986 (2010) :
 Hou, Q., et al. Cancer Res. 68(12):4623-4630(2008)
 Ng, E.L., et al. Brain Res Rev 58(1):236-246(2008)
 Jenkins, D., et al. Am. J. Hum. Genet. 80(6):1162-1170(2007)
 Liu, Y.J., et al. World J. Gastroenterol. 13(7):1010-1017(2007)

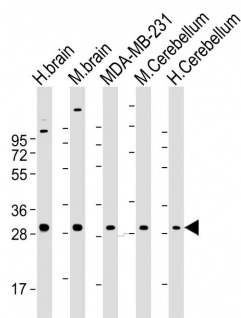
Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling RAB23 with AM2026a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (174309) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



Overlay histogram showing U-2 OS cells stained with AM2026a (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 (AM2026a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (NH174309) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



All lanes : Anti-RAB23 Antibody at 1:2000 dilution Lane 1: human brain lysate Lane 2: mouse brain lysate Lane 3: MDA-MB-231 whole cell lysate Lane 4: mouse Cerebellum lysate Lane 5: human Cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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