

Datasheet for ABIN1539872

anti-RAB23 antibody

4 Images

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Overview

Quantity:	400 µL
Target:	RAB23
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified His-tagged RAB23 protein(Fragment) was used to produced this monoclonal antibody.
Clone:	427CT2-1-1
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	RAB23
Alternative Name:	RAB23 (RAB23 Products)
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.
Molecular Weight:	26659

Target Details

Gene ID:	51715
NCBI Accession:	NP_001265595 , NP_001265596 , NP_001265597 , NP_057361 , NP_899050
UniProt:	Q9ULC3
Pathways:	Tube Formation

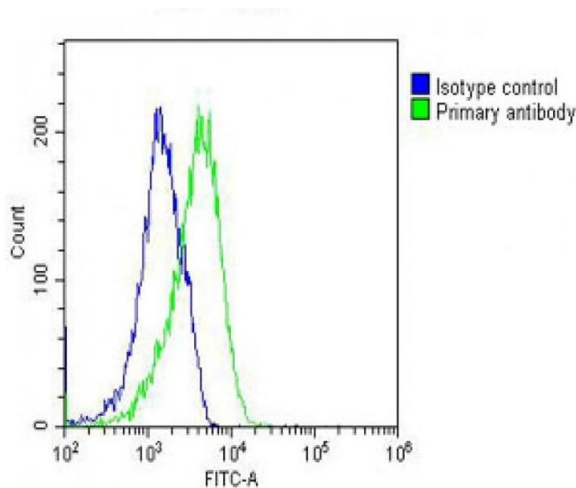
Application Details

Application Notes:	IF: 1:25. WB: 1:100~1000. WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	RAB23 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months

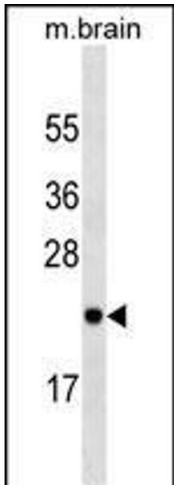
Images



Flow Cytometry

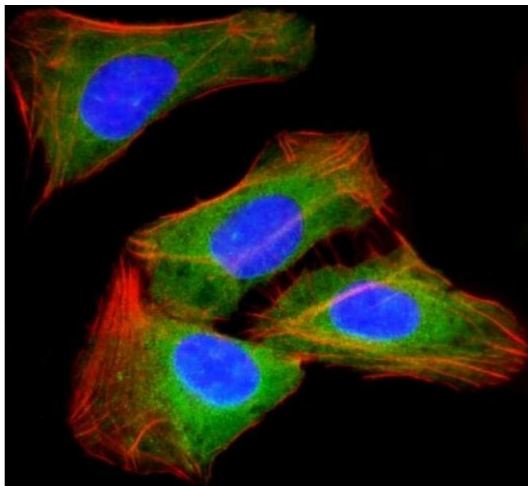
Image 1. Overlay histogram showing U-2 OS cells stained with (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (, 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.



Western Blotting

Image 2. RAB23 Antibody (ABIN1539872 and ABIN2843843) western blot analysis in mouse brain tissue lysates (35 μg/lane). This demonstrates the RAB23 antibody detected the RAB23 protein (arrow).



Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling RAB23 with 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 DI (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1539872.