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RAB12 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11360a

Specification

RAB12 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q6IQ22
Other Accession	P35284, P35283, NP_001020471.2
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**63-92**

RAB12 Antibody (N-term) - Additional Information

Gene ID 201475

Other Names
Ras-related protein Rab-12, RAB12

Target/Specificity
This RAB12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-92 amino acids from the N-terminal region of human RAB12.

Dilution
WB~~1:1000
FC~~1:25

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
RAB12 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB12 Antibody (N-term) - Protein Information

Name RAB12

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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy (By similarity).

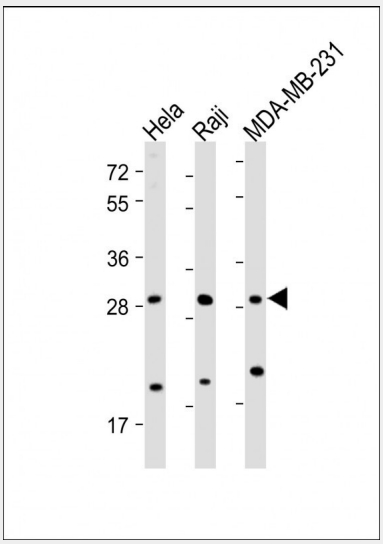
Cellular Location
Recycling endosome membrane {ECO:0000250|UniProtKB:P35283}; Lipid-anchor; Cytoplasmic side. Lysosome membrane {ECO:0000250|UniProtKB:P35283}; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane {ECO:0000250|UniProtKB:P51152}. Cytoplasmic vesicle, autophagosome {ECO:0000250|UniProtKB:P35283}

RAB12 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

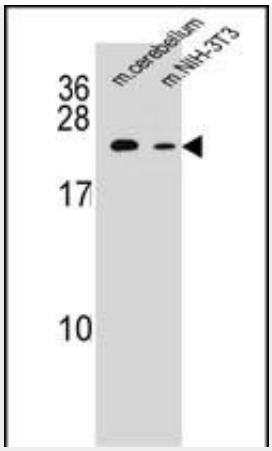
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAB12 Antibody (N-term) - Images

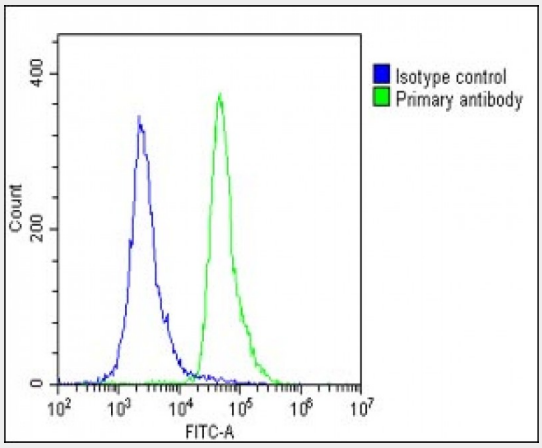


All lanes : Anti-RAB12 Antibody (N-term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Raji whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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RAB12 Antibody (N-term) (Cat. #AP11360a) western blot analysis in mouse cerebellum tissue and mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the RAB12 antibody detected the RAB12 protein (arrow).



Overlay histogram showing U-2 OS cells stained with AP11360a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP11360a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

RAB12 Antibody (N-term) - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :