

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~~1:2000

FC~~1:25

E~~Use at an assay dependent concentration.

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 ([HGNC:31332](#))

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 (By similarity). RAB12 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

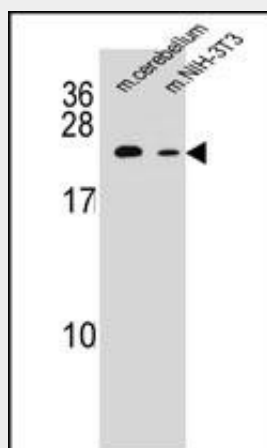
Recycling endosome membrane {ECO:0000250|UniProtKB:P35283}; Lipid-anchor; Cytoplasmic side. Lysosome membrane {ECO:0000250|UniProtKB:P35283}; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane {ECO:0000250|UniProtKB:P51152}. Cytoplasmic vesicle, autophagosome {ECO:0000250|UniProtKB:P35283}

RAB12 Antibody (N-term) - Protocols

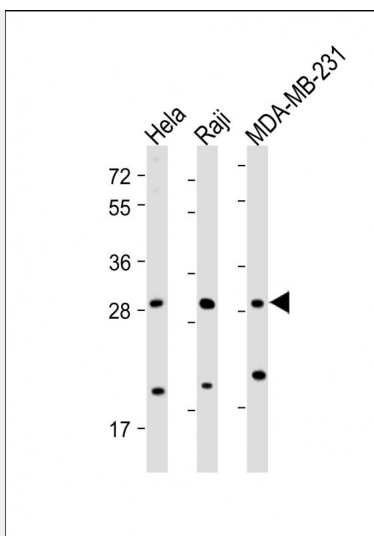
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

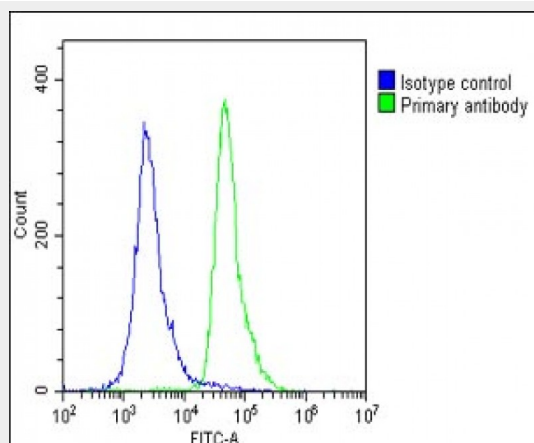
RAB12 Antibody (N-term) - Images



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).



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.



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 incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP11360a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ 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) :