

RAB13 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8534b

Specification

RAB13 Antibody - Product Information

Application	WB,E
Primary Accession	P51153
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1
Calculated MW	22774

RAB13 Antibody - Additional Information

Gene ID 5872

Other Names

Ras-related protein Rab-13, Cell growth-inhibiting gene 4 protein, RAB13

Target/Specificity

This RAB13 antibody is generated from a mouse immunized with a recombinant protein between 1-203 amino acids from human RAB13.

Dilution

WB~1:1000

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.

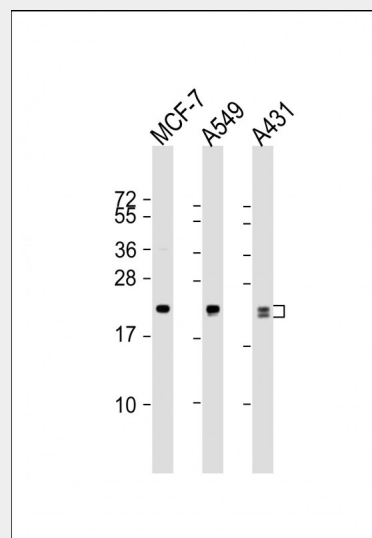
Storage

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

RAB13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RAB13 Antibody - Protein Information



All lanes : Anti-RAB13 Antibody at 1:1000 dilution
Lane 1: MCF-7 whole cell lysate
Lane 2: A549 whole cell lysate
Lane 3: A431 whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 23 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

RAB13 Antibody - Background

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. That Rab is involved in endocytic recycling and regulates the transport to the plasma membrane of transmembrane proteins like the tight junction protein OCLN/occludin. Thereby, it regulates the assembly and the activity of tight junctions. Moreover, it may also regulate tight junction assembly by activating the PKA signaling pathway and by reorganizing the

Name RAB13**Function**

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Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle membrane; Lipid-anchor; Cytoplasmic side. Cell junction, tight junction. Golgi apparatus, trans-Golgi network membrane Recycling endosome membrane. Cell projection, lamellipodium
{ECO:0000250|UniProtKB:Q9DD03}.
Note=Tight junctions or associated with vesicles scattered throughout the cytoplasm in cells lacking tight junctions (PubMed:8294494) Relocalizes to the leading edge of lamellipodia in migrating endothelial cells (By similarity).
{ECO:0000250|UniProtKB:Q9DD03, ECO:0000269|PubMed:8294494}

Tissue Location

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RAB13 Antibody - References

Zahraoui A.,et al.J. Cell Biol. 124:101-115(1994).
Kim J.W.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
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).
Kalline N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Detected in several types of epithelia,
including intestine, kidney, liver and in
endothelial cells

RAB13 Antibody - 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](#)