

Product Name: RAB8A (15Q17) Rabbit Monoclonal Antibody
Catalog #: AMRe16803



Summary

| | |
|------------------------|--|
| Production Name | RAB8A (15Q17) Rabbit Monoclonal Antibody |
| Description | Rabbit Monoclonal Antibody |
| Host | Rabbit |
| Application | WB,ELISA |
| Reactivity | Human,Mouse,Rat |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|--|
| Gene Name | RAB8A |
| Alternative Names | MEL; Mel transforming oncogene; Oncogene c mel; RAB8; RAB8A; |
| Gene ID | 4218.0 |
| SwissProt ID | P61006. |

Application

| | |
|-------------------------|-----------------|
| Dilution Ratio | WB 1:500-1:2000 |
| Molecular Weight | 24kDa |

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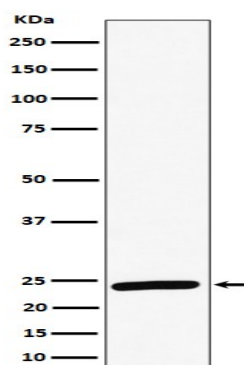


Background

May be involved in vesicular trafficking and neurotransmitter release. Together with RAB11A, RAB3IP, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B and RAB11A participates in epithelial cell polarization. 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 polarized vesicular trafficking and neurotransmitter release. Together with RAB11A, RAB3IP, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (PubMed: [20890297](http://www.uniprot.org/citations/20890297)). Together with MYO5B and RAB11A participates in epithelial cell polarization (PubMed: [21282656](http://www.uniprot.org/citations/21282656)). May be involved in ciliogenesis (PubMed: [21844891](http://www.uniprot.org/citations/21844891), PubMed: [30398148](http://www.uniprot.org/citations/30398148)). Together with MICALL2, may also regulate adherens junction assembly (By similarity). May play a role in insulin-induced transport to the plasma membrane of the glucose transporter GLUT4 and therefore play a role in glucose homeostasis (By similarity). Involved in autophagy (PubMed: [27103069](http://www.uniprot.org/citations/27103069)).

Research Area

Image Data



Western blot analysis of RAB8A expression in HeLa cell lysate.

Note

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