

## Rab8A Monoclonal Antibody | anti-Rab8A antibody

Rab8A Rabbit mAb

| CATALOG # | HOST               | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------------------|-------------------|-----------------------------------------------------------------------------|
| AAA314255 | Recombinant Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Rab8A; Monoclonal Antibody; Rab8A Rabbit mAb; RAB8A; member RAS oncogene family; MEL; RAB8; anti-Rab8A antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                            | Recombinant Rabbit                                                                                     |
| Reactivity                                      | Human, Mouse, Rat                                                                                      |
| Clonality                                       | Monoclonal                                                                                             |
| Isotype                                         | Rabbit IgG                                                                                             |
| Clone Number                                    | S06-8A7                                                                                                |
| Purity/Purification                             | Affinity Purified                                                                                      |
| Form/Format                                     | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                  |
| Concentration                                   | 0.3mg/ml (varies by lot)                                                                               |
| Applicable Applications for anti-Rab8A antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                       | A synthetic peptide of human RAB8A                                                                     |
| Conjugation                                     | Unconjugated                                                                                           |
| Modification                                    | Unmodification                                                                                         |
| Preparation and Storage                         | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of RAB8A in paraffin-embedded Human colon cancer tissue using RAB8A Rabbit mAb at dilution 1/1



#### IF (Immunofluorescence)

Immunofluorescence of Rab8A(green) in Hela cells using Rab8A Rabbit mAb at dilution 1/200, and DAPI(blue)



#### WB (Western Blot)

Western blot detection of RAB8A in K562,C6,3T3,Hela cell lysates using RAB8A Rabbit mAb(1:1000 diluted).Predicted band size:24kDa.Observed band size:24kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Rab8A antibody | 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, RAB31P, 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). |
| Product Categories/Family for anti-Rab8A antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 46810392                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 4218                                                                                                                                                                                                                                              |
| UniProt Accession #              | P61006; P24407; Q6FHV5; B4DEK7                                                                                                                                                                                                                    |
| Molecular Weight                 | 207                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | Ras-related protein Rab-8A                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | RAB8A, member RAS oncogene family                                                                                                                                                                                                                 |
| NCBI Official Symbol             | RAB8A                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | MEL; RAB8                                                                                                                                                                                                                                         |
| NCBI Protein Information         | ras-related protein Rab-8A; oncogene c-mel; ras-associated protein RAB8; mel transforming oncogene (RAB8 homolog); mel transforming oncogene (derived from cell line NK14); mel transforming oncogene (derived from cell line NK14)- RAB8 homolog |
| UniProt Protein Name             | Ras-related protein Rab-8A                                                                                                                                                                                                                        |
| UniProt Gene Name                | RAB8A                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | MEL; RAB8                                                                                                                                                                                                                                         |
| UniProt Entry Name               | RAB8A_HUMAN                                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.