# Recombinant Rab11A Monoclonal Antibody

**catalog number:** **AN301690L**

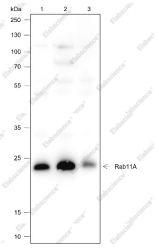
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse |
| **Immunogen** | Recombinant human Rab11A fragment |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C271313 |
| **Purification** | Protein A affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:1000 |
| **IF** | 1:50 |

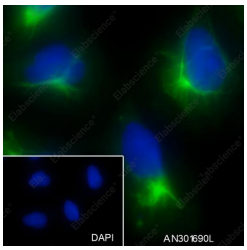
## Data




Western Blot with Rab11A Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: A549, Lane 3: 4T1

**Observed-MW:24 kDa**

**Calculated-MW:24 kDa**




Immunofluorescent analysis of (100% Ice-cold methanol) fixed U-2 OS cells using anti-Rab11A Monoclonal Antibody at dilution of 1:50.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles. |
| **Shipping** | Ice bag |

## Background


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The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. It is associated with both constitutive and regulated secretory pathways, and may be involved in protein transport. 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. The small Rab GTPase RAB11A regulates endocytic recycling. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, 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 participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes. May also play a role in melanosome transport and release from melanocytes.


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