Recombinant Rab8A Monoclonal Antibody

catalog number: **AN301923L**

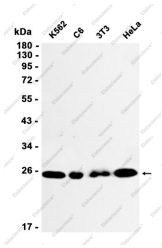
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human RAB8A
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111544
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:5000
IHC-P	1:200-1:500
ICC	1:200-1:500
FCM	1:200

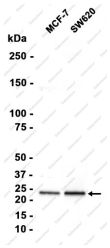
Data



Western blot analysis of K562, C6, 3T3 and HeLa cell lysates using Rab8A Antibody (AN301923L) at a dilution of 1:1000.

Observed-MW:24 kDa

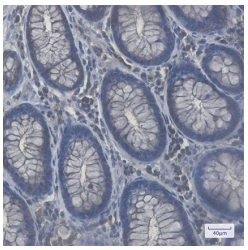
Calculated-MW:24 kDa



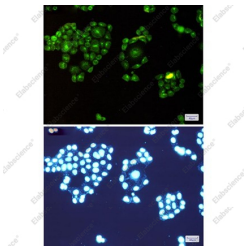
Western blot analysis of MCF-7 and SW620 cell lysates using Rab8A Antibody (AN301923L) at a dilution of 1:3000.

Observed-MW:24 kDa

Calculated-MW:24 kDa

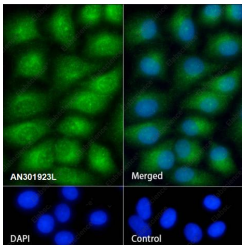


Immunohistochemical analysis of paraffin-embedded Human colon sections using Rab8A Antibody (AN301923L).



Immunofluorescent analysis of HeLa cells using Rab8A Antibody(AN301923L) (green), and DAPI (blue).

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Immunofluorescence analysis of A549 cells using Rab8A Antibody(AN301923L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

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

Background

The Rab8 GTPase is a member of the Ras superfamily that functions in protein transport and membrane restructuring. RAB8 has two isoforms, RAB8A and RAB8B, that share 40% amino acid identity in the C-terminal variable region. RAB8 activity is regulated by specific guanine nucleotide exchange factors (GEFs), that mediate GTP loading, and GTPase activating proteins (GAPs) that convert them into the inactive GDP-bound form. RAB8 participates in recycling of the α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors to the dendritic spine surface as well as in the intracellular transport of the metabotropic glutamate receptor type 1 in neuronal cells. Rab8 is activated at the base of the cilium by its guanine nucleotide exchanger Rabin8.

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