Recombinant Rab8A Monoclonal Antibody

catalog number: **AN301923L**

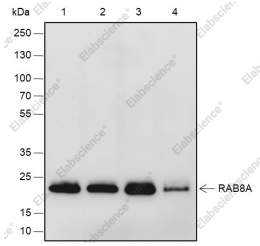
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human RAB8A
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111544
Purification	Protein A purified
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/IF	1:200-1:500
FCM	1:200

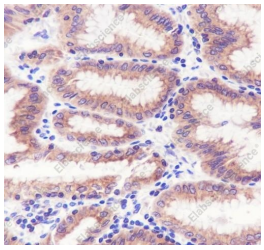
Data



Western Blot with Rab8A Monoclonal Antibody at dilution of 1:2000. Lane 1: HCT-116, Lane 2: 293T, Lane 3: HeLa, Lane 4: Cos-7

Observed-MW:24 kDa

Calculated-MW:24 kDa



Immunohistochemistry of paraffin-embedded Human stomach using Rab8A Monoclonal Antibody at dilution of 1:100.

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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