

## Recombinant Rab8A Monoclonal Antibody

catalog number: **AN301923L**

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

### Description

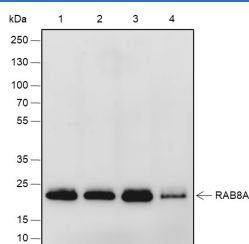
|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;African green monkey                                      |
| <b>Immunogen</b>    | Recombinant human Rab8A fragment                                |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | IgG, $\kappa$                                                   |
| <b>Clone</b>        | C321544                                                         |
| <b>Purification</b> | Protein A purified                                              |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|            |               |
|------------|---------------|
| <b>WB</b>  | 1:1000-1:2000 |
| <b>IHC</b> | 1:50-1:100    |

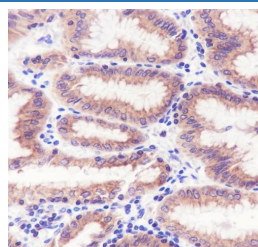
### Data



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

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | 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  $\alpha$ -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.

### For Research Use Only

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