

## Recombinant alpha Actinin 4 Monoclonal Antibody

catalog number: **AN301433L**

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

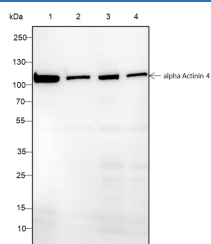
### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Recombinant human Actinin 4 fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A128
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

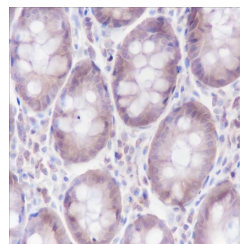
<b>WB</b>	1:500-1:1000
<b>IHC</b>	1:50-1:100
<b>IF</b>	1:50-1:100

### Data

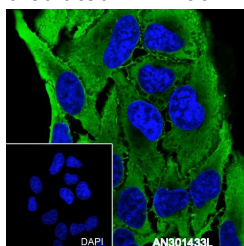


Western Blot with alpha Actinin 4 Monoclonal Antibody at dilution of 1:5000. Lane 1: HeLa, Lane 2: HEK-293, Lane 3: 4T1, Lane 4: Raw264.7

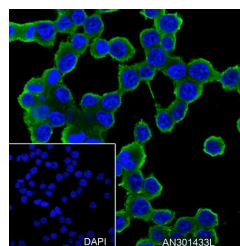
**Observed-MW:110 kDa**  
**Calculated-MW:100 kDa**



Immunohistochemistry of paraffin-embedded Human colon using alpha Actinin 4 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-alpha Actinin 4 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Raw264.7 cells using anti-alpha Actinin 4 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

### For Research Use Only

Toll-free: 1-888-852-8623  
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Rev. V1.0

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation. Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions. May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA.

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