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# Recombinant non-muscle Myosin IIA Monoclonal Antibody

catalog number: AN301829L

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

### **Description**

Reactivity Rat; Mouse

Immunogen Recombinant human non-muscle Myosin IIA fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A541

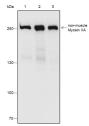
**Purification** Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

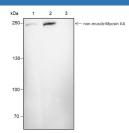
**WB** 1:200-1:1000 **IP** 1:50-1:100

#### Data



Western Blot with non-muscle Myosin IIA Monoclonal Antibody at dilution of 1:1000. Lane 1: NIH/3T3, Lane 2: Mouse kidney, Lane 3: Rat liver

Observed-MW:250 kDa Calculated-MW:237 kDa



Immunoprecipitation analysis using anti-non-muscle Myosin IIA Monoclonal Antibody. Western blot was performed from the immunoprecipitate using non-muscle Myosin IIA Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: non-muscle Myosin IIA Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:250 kDa Calculated-MW:237 kDa

### **Preparation & Storage**

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

Shipping Ice bag

# **Background**

Non-muscle myosin is an actin-based motor protein essential to cell motility, cell division, migration, adhesion, and polarity. The holoenzyme consists of two identical heavy chains and two sets of light chains. The light chains (MLCs) regulate myosin II activity and stability. The heavy chains (NMHCs) are encoded by three genes, MYH9, MYH10, and MYH14, which generate three different non-muscle myosin II isoforms, IIa, IIb, and IIc, respectively.