

Recombinant non-muscle Myosin IIA Monoclonal Antibody

catalog number: **AN301829L**

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

Description

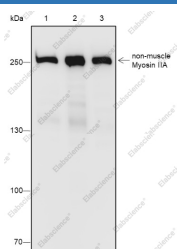
Reactivity	Mouse;Rat
Immunogen	Recombinant human non-muscle Myosin IIA fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C431451
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

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

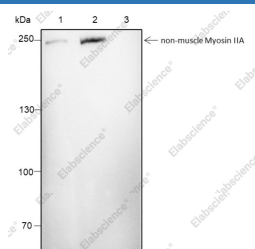
Data



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.

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Rev. V1.2