

Recombinant α smooth muscle actin Monoclonal Antibody

catalog number: **AN301012L**

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

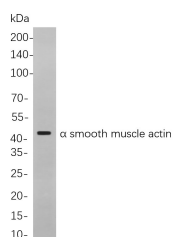
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human α smooth muscle actin protein
Host	Rabbit
Isotype	IgG, κ
Clone	2B8
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

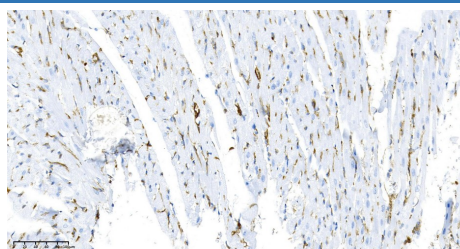
Applications	Recommended Dilution
IHC	1:200-1:1000
WB	1:1000-1:5000

Data



Western Blot with Recombinant α smooth muscle actin Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: K562 cells.

Observed-MW:42 kDa
Calculated-MW:42 kDa



Immunohistochemistry of paraffin-embedded rat heart using Recombinant α smooth muscle actin Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

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

Background

The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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