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# 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

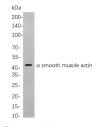
HostRabbitIsotype $IgG,\kappa$ CloneB763PurificationProtein A

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

# 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.

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

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

# **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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