

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

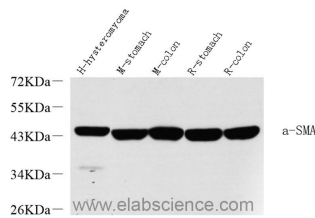
## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human,Mouse,Rat  |
| <b>Immunogen</b>    | Recombinant protein corresponding to Mouse $\alpha$ smooth muscle actin    |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Formulation</b>  | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |

## Applications Recommended Dilution

|           |               |
|-----------|---------------|
| <b>WB</b> | 1:1000-1:3000 |
|-----------|---------------|

## Data



Western Blot analysis of various samples using ACTA2 Polyclonal Antibody at dilution of 1:2000.

**Observed Mw:42kDa**  
**Calculated Mw:42kDa**

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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.

## For Research Use Only

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