alpha smooth muscle actin Mouse mAb

Catalog No.: A2625  
3 Publications

**Basic Information**

- **Catalog No.**  
  A2625

- **Observed MW**  
  42kDa

- **Calculated MW**  
  42kDa

- **Category**  
  Primary antibody

- **Applications**  
  WB, IHC, ICC, FC

- **Cross-Reactivity**  
  Human, Mouse, Rat

**Recommended Dilutions**

- **WB**  
  1:500 - 1:2000

- **IHC**  
  1:50 - 1:200

- **ICC**  
  1:50 - 1:200

- **FC**  
  1:50 - 1:200

**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.

**Immunogen Information**

- **Gene ID**  
  59

- **Swiss Prot**  
  P62736

- **Immunogen**  
  A synthetic peptide of human alpha smooth muscle actin

- **Synonyms**  
  AAT6;ACTSA;MYMY5;ACTA2;actin

**Product Information**

- **Source**  
  Mouse

- **Isotype**  
  IgG

- **Purification**  
  Affinity purification

**Contact**

- [www.abclonal.com](http://www.abclonal.com)
Western blot analysis of extracts of HeLa cells, using alpha smooth muscle actin antibody (A2625).
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (A5003) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.