

## ACTA2

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IP

**Recommended Dilution:**WB 1:200 - 1:2000 IHC 1:50 - 1:200 IP 1:20 - 1:50

**Calculated MW:**42kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human ACTA2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ACTA2;AAT6;ACTSA ;a-SMA; alpha SMA;

**Catalog #:**A0957

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**59

**Isotype:**IgG

**Swiss Prot:**P62736

**Purity:**Affinity purification

For research use only.

**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. [provided by RefSeq, Nov 2008]

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