

## ACTA1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF IP

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50- 1:500 IF 1:50- 1:500 IP 1:20- 1:100

**Calculated MW:**42kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic Peptide of human ACTA1

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM

**Catalog #:**A11108

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**58

**Isotype:**IgG

**Swiss Prot:**P68134

**Purity:**Affinity purification

For research use only.

**Background:**

The product 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. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.

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