

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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