

Mouse alpha Actin Monoclonal Antibody | anti-ACTA1 antibody

alpha Actin antibody (smooth muscle)

CATALOG # AAA106632	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

alpha Actin; Monoclonal Antibody; alpha Actin antibody (smooth muscle); Monoclonal alpha Actin; Anti-alpha Actin; alpha Actin 1; anti-ACTA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B3
Specificity	alpha Actin is an antibody highly specific for alpha-skeletal actin, and does not cross react with other actin isoforms
Form/Format	Purified antibody supplied in PBS containing 0.09% sodium azide
Concentration	1.0mg/ml (varies by lot)
Sequence Length	377
Applicable Applications for anti-ACTA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Biological Significance	Actin is a muscle protein localized in the I band of the myofibrils; acting along with myosin, it is responsible for contraction and relaxation of muscle. It occurs in globular (G-actin) and fibrous (F-actin) forms.
Cross-Reactivity	Caprine, Human, Rabbit, Rat, Pig
Immunogen	alpha Actin antibody (smooth muscle) was raised in Mouse using a peptide comprising the N-terminal nonapeptide of alpha-skeletal actin with an acetylated N-terminus (Ac-DEDETTALVC-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue as the immunogen.
Preparation and Storage	Store at 4°C for short term For long term Storage , store at -20°C. Avoid repeat freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	alpha Actin antibody (smooth)
Product Categories/Family for anti-ACTA1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	178029
NCBI GeneID	58
NCBI Official Full Name	alpha-actin

NCBI Official Synonym Full Names	actin, alpha 1, skeletal muscle
NCBI Official Symbol	ACTA1
NCBI Official Synonym Symbols	ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM
NCBI Protein Information	actin, alpha skeletal muscle
UniProt Protein Name	Actin, alpha skeletal muscle
UniProt Gene Name	ACTA1
UniProt Synonym Gene Names	ACTA
UniProt Entry Name	ACTS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-actin-antibody-clone-3b3-western-blot-immunohistochemistry-elisa/106632>