

Mouse Alpha-actin-1 Monoclonal Antibody | anti-ACTA1 antibody

Anti-Alpha-actin-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293372	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunoprecipitation, Western Blot

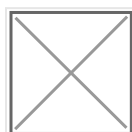
PRODUCT SYNONYMS

Alpha-actin-1; Monoclonal Antibody; Anti-Alpha-actin-1 Antibody; ACTA; Actin alpha skeletal muscle; anti-ACTA1 antibody

PRODUCT SPECIFICATIONS

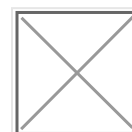
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Alpha-actin-1 protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-ACTA1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Cellular Location	Cytoplasm, cytoskeleton
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



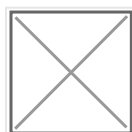
IP (Immunoprecipitation)

Dilution: WB (1/5000 - 1/10000), IH (1/200 - 1/500), IP (1/100 - 1/200)



IHC (Immunohistochemistry)

Dilution: WB: (1/5000 - 1/10000), IH (1/200 - 1/500), IP (1/100 - 1/200) Immunohistochemical analysis of Alpha-actin-1 staining in mouse skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Dilution: WB (1/5000 - 1/10000), IH (1/200 - 1/500), IP (1/100 - 1/200) Western blot analysis of Alpha-actin-1 expression in Hela (A), mouse brain (B), rat brain (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	Mouse monoclonal antibody to Alpha-actin-1 KLH-conjugated synthetic peptide encompassing a sequence of human Alpha-actin-1. The exact sequence is proprietary. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501881
NCBI GeneID	58
NCBI Accession #	NP_001091.1
NCBI GenBank Nucleotide #	NM_001100.3
UniProt Accession #	P68133; P02568; P99020; Q5T8M9
Molecular Weight	42,051 Da
NCBI Official Full Name	actin, alpha skeletal muscle
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; nemaline myopathy type 3
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-actin-1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/293372>