

Rabbit alpha Actin Polyclonal Antibody | anti-ACTA1 antibody

alpha Actin antibody

CATALOG # AAA107830	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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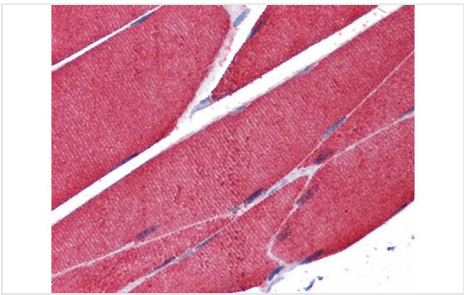
PRODUCT SYNONYMS

alpha Actin; Polyclonal Antibody; alpha Actin antibody; Polyclonal alpha Actin; Anti-alpha Actin; actin alpha 1 skeletal muscle; ACTA; ASMA; NEM2; ACTA1; actin alpha skeletal muscle; CFTD; NEM1; alpha skeletal muscle actin; CFTD1; NEM3; MPFD; alpha-actin-1; CFTDM; anti-ACTA1 antibody

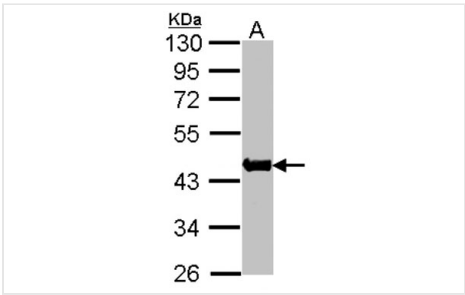
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	alpha Actin antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 1X PBS, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.81 mg/ml (varies by lot)
Sequence Length	377
Applicable Applications for anti-ACTA1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	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.
Cross-Reactivity	Human, Mouse
Immunogen	alpha Actin antibody was raised in rabbit using a recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 377 of alpha Actin
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

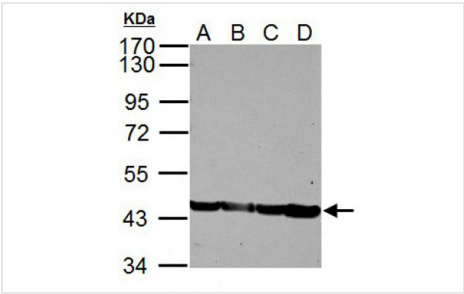
IMAGES



IHC (Immunohistochemisry)
Immunohistochemical staining of paraffin-embedded Skeletal Muscle using alpha Actin antibody



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A:Raji) using a 10 % SDS PAGE gel and alpha Actin antibody at a dilution of 1:1000



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A: NIH-3T3; B: JC; C: BCL-1; D: C2C12) using a 10 % SDS PAGE gel and alpha Actin antibody at a dilution of 1:5000

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	Affinity purified Rabbit polyclonal alpha Actin antibody
Product Categories/Family for anti-ACTA1 antibody	Cell Biology; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	178029
NCBI GeneID	58
UniProt Accession #	P68133; P02568; P99020; Q5T8M9
Molecular Weight	42 kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-actin-antibody-western-blot-immunohistochemistry-elisa/107830>