

Rabbit Alpha-actin-1 Polyclonal Antibody | anti-ACTA1 antibody

Rabbit anti-Alpha-actin-1 Antibody

CATALOG # AAA223637	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Bovine, Chicken, Pig, Rabbit	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Western Blot
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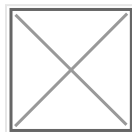
PRODUCT SYNONYMS

Alpha-actin-1; Polyclonal Antibody; Rabbit anti-Alpha-actin-1 Antibody; ACTA; Actin; alpha skeletal muscle; anti-ACTA1 antibody

PRODUCT SPECIFICATIONS

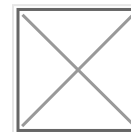
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-ACTA1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Alpha-actin-1. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



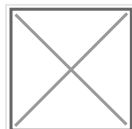
IP (Immunoprecipitation)

Immunoprecipitation of Alpha-actin-1 from 0.5mg Mouse Skeletal Muscle tissue lysate, using 5ug of anti-Alpha-actin-1 Antibody and 50ul of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, Mouse Skeletal Muscle tissue lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation. Proteins were eluted by addition of 40ul SDS loading buffer and incubated for 10min at 70°C; 10ul of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with anti-Alpha-actin-1 Antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Alpha-actin-1 staining in human 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)

Western blot analysis of Alpha-actin-1 expression in A549 (A), SP2/0 (B), rat kidney (C) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ACTA1 antibody	Primary antibodies
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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; P68134; P68136
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/polyclonal/alpha-actin-1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/223637>