

Rabbit Actin Monoclonal Antibody | anti-ACTA1 antibody

Actin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312418	Rabbit	Human, Mouse, Rat, Zebrafish	Immunoprecipitation, Western Blot

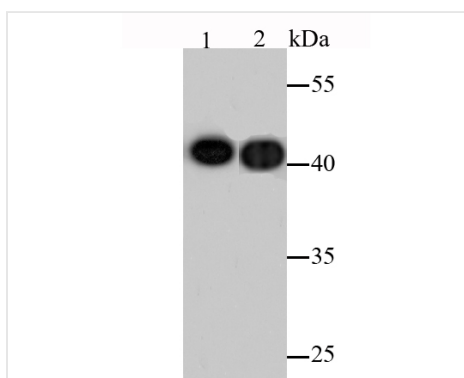
PRODUCT SYNONYMS

Actin; Monoclonal Antibody; Actin Antibody; a actin antibody; ACTA antibody; ACTA1 antibody; Actin alpha skeletal muscle antibody; Actin antibody; actin; alpha 1; skeletal muscle 1 antibody; skeletal muscle antibody; alpha skeletal muscle antibody; actina antibody; actine antibody; ACTS_HUMAN antibody; aktin antibody; Alpha Actin 1 antibody; Alpha skeletal muscle Actin antibody; alpha-actin antibody; Alpha-actin-1 antibody; ASMA antibody; CFTD antibody; CFTD1 antibody; CFTDM antibody; MPFD antibody; NEM1 antibody; NEM2 antibody; NEM3 antibody; nemaline myopathy type 3 antibody; anti-ACTA1 antibody

PRODUCT SPECIFICATIONS

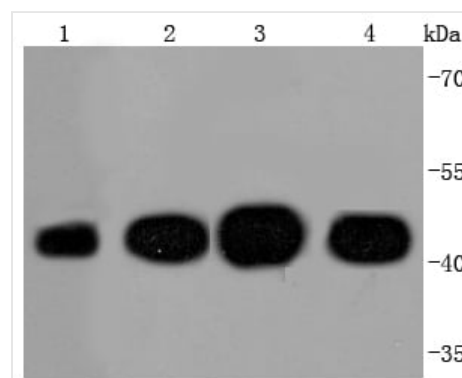
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	JF47-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBST (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ACTA1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



WB (Western Blot)

Western blot analysis of Actin on different lysates using anti-Actin antibody at 1/1,000 dilution. Positive control: Lane 1: Hybrid fish (crucian-carp) brain tissue Lane 2: Hybrid fish (crucian-carp) kidney tissue



WB (Western Blot)

Western blot analysis of Actin on different lysates using anti-Actin antibody at 1/1,000 dilution. Positive control: Lane 1: zebrafish Lane 2: HeLa Lane 3: PC-12 Lane 4: NIH/3T3

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	All eukaryotic cells express Actin, which often constitutes as much as 50% of total cellular protein. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. While lower eukaryotes, such as yeast, have only one Actin gene, higher eukaryotes have several isoforms encoded by a family of genes. At least six types of Actin are present in mammalian tissues and fall into three classes. alpha-Actin expression is limited to various types of muscle, whereas beta-Actin and gamma-Actin are the principle constituents of filaments in other tissues. Members of the small GTPase family regulate the organization of the Actin cytoskeleton. Rho controls the assembly of Actin stress fibers and focal adhesion. Rac regulates Actin filament accumulation at the plasma membrane. Cdc42 stimulates formation of filopodia.
Product Categories/Family for anti-ACTA1 antibody	Total protein Ab

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/actin-antibody-clone-jf47-01-immunoprecipitation-western-blot-elisa/312418>