

Rabbit Actin Monoclonal Antibody | anti-ACTA1 antibody

Anti-Actin Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47094	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

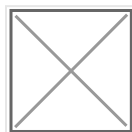
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	AAOG-1
Purity/Purification	Affinity-chromatography
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Sequence Length	377
Applicable Applications for anti-ACTA1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human Actin
Preparation and Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of Actin expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) C6 cell lysate (AAA47094). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACTA1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ACTA1

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	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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Product Categories/Family for anti-ACTA1 antibody	Tags & Cell Markers; Subcellular Markers; Cytoskeleton; actin; Signal Transduction; Cytoskeleton/ECM; microfilaments; actin etc; troponin; tropomyosin; actin crosslinking; actin Binding Proteins; actin assembly; Cancer; Invasion/Microenvironment; Apoptosi
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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
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; SHPM; 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

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/actin-antibody-clone-aaog-1-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/47094>