

Rabbit ACTA1 Polyclonal Antibody | anti-ACTA1 antibody

ACTA1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201042	Rabbit	Tested: Human, Baboon Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Western Blot

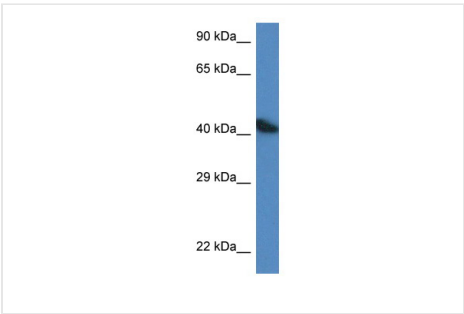
PRODUCT SYNONYMS

ACTA1; Polyclonal Antibody; ACTA1 antibody - C-terminal region; anti-ACTA1 antibody

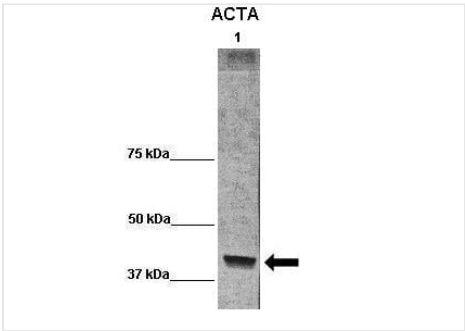
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested: Human, Baboon Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: ST MKIKIAPPE RKYSVWIGGS ILASLSTFQQ MWITKQEYDE AGPSIVHR
Sequence Length	377
Applicable Applications for anti-ACTA1 antibody	WB (Western Blot)
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 100%; Zebrafish: 100%
Protein Size (#AA)	377 Amino Acids
Protein Interactions	ABL1; TRIM63; TRIM55; CEP57; AMOT; UBC; SUMO3; CDKN2A; ACTG1; BRK1; ACTBL2; NCKAP1; LRCH3; MAPK14; DSTN; NMI; UBL4A; ABRA; ABLIM2; POLR1B; RRN3; HTRA2; PTPN22; ABLIM3; BTK; CCT2; TRAF3IP1; TCP1; SNCA; PARK2; LGALS3; SHC1; GSN; CDK2; CUL1; ISG15; YWHAZ; RE
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

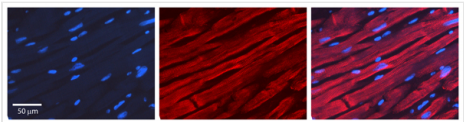
IMAGES



WB (Western Blot)
WB Suggested Anti-ACTA1 AntibodyTitration: 1.0 ug/mlPositive Control: A549 Whole Cell



WB (Western Blot)
WB Suggested Anti-ACTA1 AntibodyPositive Control: Lane 1: 50ug term baboon muscle homogenatePrimary Antibody Dilution : 1:1666Secondary Antibody : Anti-rabbit-HRPSecondary Antibody Dilution : 1:1200Submitted by: Cynthia Blanco, University of Texas Health Science Center



IHC (Immunohistochemistry)
Rabbit Anti-ACTA1 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human Heart Muscle TissueObserved Staining: CytoplasmPrimary Antibody Concentration: 1:100Other Working Concentrations: 1:600Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA1 antibody	This is a rabbit polyclonal antibody against ACTA1. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-ACTA1 antibody	Polyclonal; Various; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501881
NCBI GeneID	58
NCBI Accession #	NP_001091
NCBI GenBank Nucleotide #	NM_001100
UniProt Accession #	P68133
Molecular Weight	42kDa
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
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://www.aaabiotech.com/polyclonal/acta1-antibody-western-blot-elisa/201042>