

Rabbit ACTA1 Polyclonal Antibody | anti-ACTA1 antibody

ACTA1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201043	Rabbit	Cow, Guinea Pig, Horse, Human, Rabbit, Rat, Mouse	Western Blot

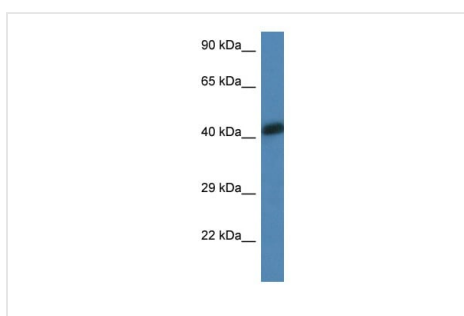
PRODUCT SYNONYMS

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

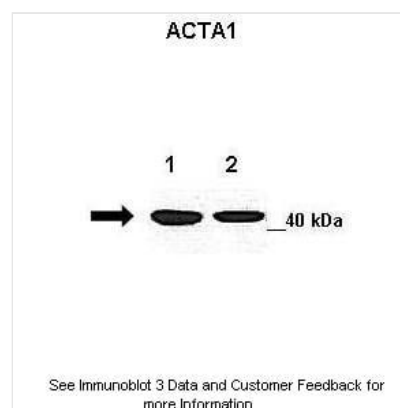
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Rabbit, Rat, Mouse
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.
Sequence	Synthetic peptide with the following region: GQ KDSYVGDEAQ SKRGILTLYK PIEHGIIITNW DDMEKIWHHT FYNELRVA
Sequence Length	377
Applicable Applications for anti-ACTA1 antibody	WB (Western Blot)
Homology	Cow: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Rabbit: 100%; Rat: 100%
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 Antibody Titration: 1.0 ug/ml Positive Control: THP-1 Whole Cell


WB (Western Blot)

Lanes: Lane 1: 20ug mouse GL261 cell lysate Lane 2: 20ug mouse astrocyte cell lysate Primary Antibody Dilution: 1:500 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1:500 Gene Name: ACTA1 Submitted by: Anonymous

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.