

Rabbit alpha-SMA Polyclonal Antibody | anti-alpha-SMA antibody

alpha-SMA Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA318727	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

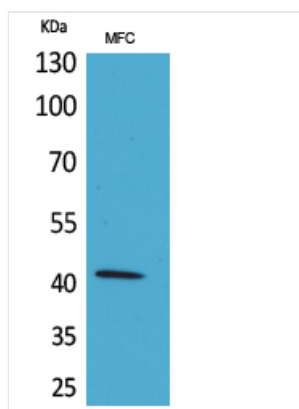
PRODUCT SYNONYMS

alpha-SMA; Polyclonal Antibody; alpha-SMA Rabbit Polyclonal Antibody; ACTA1; ACTA; Actin; alpha skeletal muscle; Alpha-actin-1; ACTA2; ACTSA; ACTVS; GIG46; aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; ACTC1; ACTC; alpha cardiac muscle 1; Alpha-cardiac actinACTA1; Alpha-cardiac actin; BH6842; Actin alpha skeletal muscle/Actin aortic smooth muscle/Actin alpha cardiac muscle 1; anti-alpha-SMA antibody

PRODUCT SPECIFICATIONS

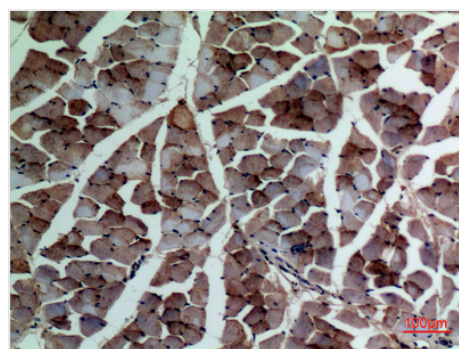
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	alpha-SMA Polyclonal Antibody detects endogenous levels of alpha-SMA protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-alpha-SMA antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from the C-terminal region of human alpha-SMA.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



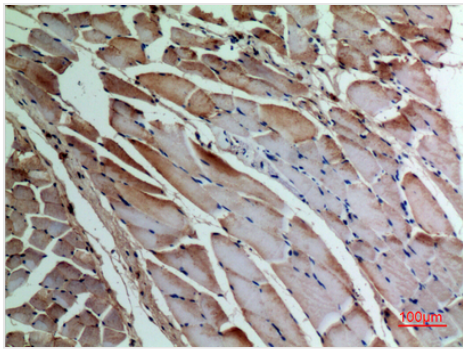
WB (Western Blot)

Western Blot analysis of MFC cells using α -SMA Polyclonal Antibody. Secondary antibody was diluted at 1:20000



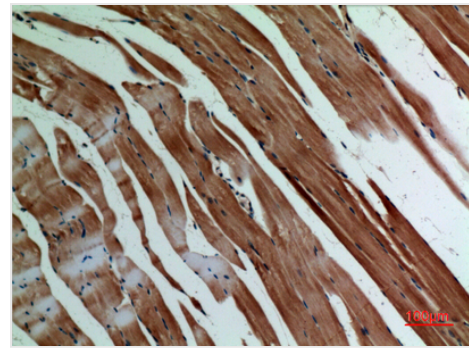
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat-muscle, antibody was diluted at 1:100



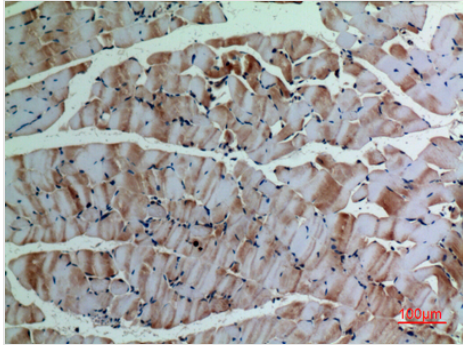
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat-muscle, antibody was diluted at 1:100



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-alpha-SMA antibody

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. [provided by RefSeq, Jul 2008]

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/polyclonal/alpha-sma-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/318727>