

Rabbit anti-Human, Mouse alpha smooth muscle Actin Polyclonal Antibody | anti-ACTA2 antibody

alpha smooth muscle Actin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302527	Rabbit	Human, Mouse	Western Blot

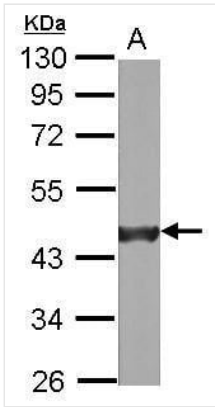
PRODUCT SYNONYMS

alpha smooth muscle Actin; Polyclonal Antibody; alpha smooth muscle Actin Antibody; AAT6 antibody; ACTSA antibody; ACTA2 antibody; "actin; aortic smooth muscle antibody"; cell growth-inhibiting gene 46 protein antibody; growth-inhibiting gene 46 antibody; alpha 2 actin antibody; alpha-actin-2 antibody; alpha-cardiac actin antibody; "acti; anti-ACTA2 antibody

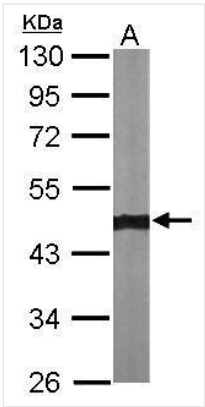
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total alpha smooth muscle Actin protein.
Purity/Purification	Antibodies were purified by antigen-affinity chromatography.
Form/Format	Rabbit IgG in 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration	0.85 mg/ml (varies by lot)
Sequence Length	377
Applicable Applications for anti-ACTA2 antibody	WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment contain a sequence corresponding to a region within amino acids 91 and 287 of alpha smooth muscle Actin.
Target Name	alpha smooth muscle Actin
Preparation and Storage	Store at -20 degree C

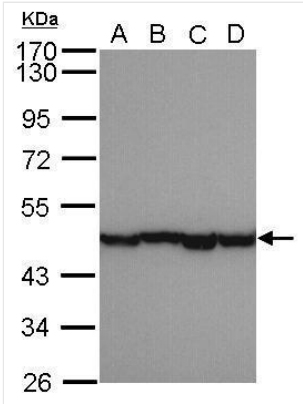
IMAGES



Application Data
Sample (50 ug of whole cell lysate) A: mouse brain 10% SDS PAGE diluted at 1:10000



Application Data
Sample (30 ug of whole cell lysate) A: NIH-3T3 10% SDS PAGE diluted at 1:10000



Application Data
Sample (30 ug of whole cell lysate) A: A431 B: H1299 C: HeLa D: HepG2 7.5% SDS PAGE diluted at 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA2 antibody	The protein 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. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Product Categories/Family for anti-ACTA2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	213688375
NCBI GeneID	59
NCBI Accession #	NP_001135417.1
NCBI GenBank Nucleotide #	NM_001141945.1
UniProt Accession #	P62736; P03996; P04108; Q6FI19; B2R8A4
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, aortic smooth muscle

NCBI Official Synonym Full Names	actin, alpha 2, smooth muscle, aorta
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	AAT6; ACTSA; MYMY5
NCBI Protein Information	actin, aortic smooth muscle
UniProt Protein Name	Actin, aortic smooth muscle
UniProt Gene Name	ACTA2
UniProt Synonym Gene Names	ACTSA; ACTVS
UniProt Entry Name	ACTA_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-smooth-muscle-actin-antibody-western-blot-elisa/302527>