

Rabbit alpha Smooth Muscle Actin Monoclonal Antibody | anti-ACTA2 antibody

Recombinant alpha Smooth Muscle Actin Monoclonal Antibody

CATALOG # AAA178786	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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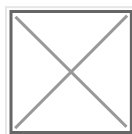
PRODUCT SYNONYMS

alpha Smooth Muscle Actin; Monoclonal Antibody; Recombinant alpha Smooth Muscle Actin Monoclonal Antibody; a actin; AAT6; ACTA; ACTA2; Actin alpha 2 smooth muscle aorta; Actin aortic smooth muscle; Actin; aortic smooth muscle; ACTSA; ACTVS; Alpha 2 actin; Alpha actin 2; Alpha cardiac actin; alpha sma; Alpha-actin-2; Cell growth inhibiting gene 46 protein; Cell growth-inhibiting gene 46 protein; GIG46; Growth inhibiting gene 46; MYMY5; anti-ACTA2 antibody

PRODUCT SPECIFICATIONS

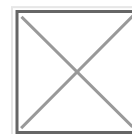
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	R01-8C7
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-ACTA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human alpha smooth muscle Actin
Research Area	Cancer, Cardiovascular, Developmental Biology, Signal Transduction, Stem Cells
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of alpha smooth muscle Actin in paraffin-embedded Human colon cancer tissue using alpha smooth muscle Actin Rabbit mAb at dilution 1:100



WB (Western Blot)

Western blot detection of alpha smooth muscle Actin in Rat Brain, C6, 3T3, HeLa cell lysates using alpha smooth muscle Actin Rabbit mAb(1:1000 diluted). Predicted band size: 42kDa. Observed band size: 42kDa.

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.

Product Categories/Family for anti-
ACTA2 antibody

Antibodies; Primary Antibodies; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	119570540
NCBI GeneID	59
UniProt Accession #	P62736; P03996; P04108; Q6FI19; B2R8A4
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, alpha 2, smooth muscle, aorta, isoform CRA_a
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; alpha-cardiac actin; cell growth-inhibiting gene 46 protein
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/monoclonal/alpha-smooth-muscle-actin-antibody-clone-r01-8c7-immunohistochemistry-western-blot-elisa/178786>