

Rabbit Smooth Muscle Actin Polyclonal Antibody | anti-ACTA2 antibody

Anti-Smooth Muscle Actin Antibody

CATALOG # AAA259886	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Bovine, Chicken, Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Smooth Muscle Actin; Polyclonal Antibody; Anti-Smooth Muscle Actin Antibody; ACTSA; ACTVS; Actin; aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; anti-ACTA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Rabbit
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Smooth Muscle Actin protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	377
Applicable Applications for anti-ACTA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Smooth Muscle Actin. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of Smooth Muscle Actin staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Smooth Muscle Actin expression in MCF7 (A), K562 (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA2 antibody	Rabbit polyclonal antibody to Smooth Muscle Actin
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NCBI AND UNIPROT INFORMATION

NCBI GI #	213688375
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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/smooth-muscle-actin-antibody-immunohistochemistry-western-blot-elisa/259886>