

Goat Smooth muscle alpha-actin Polyclonal Antibody | anti-ACTA2 antibody

Goat anti-Smooth muscle alpha-actin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61140	Goat	Tested: Human, MouseExpected from sequence similarity: Human, Mouse, Rat, Dog	Western Blot, ELISA

PRODUCT SYNONYMS

Smooth muscle alpha-actin; Polyclonal Antibody; Goat anti-Smooth muscle alpha-actin Antibody; actin; alpha 2; smooth muscle; aorta; OTTHUMP00000020042; ACTA2; ACTSA; AAT6; alpha 2 actin; alpha-cardiac actin; growth-inhibiting gene 4; smooth muscle alpha-actin; anti-ACTA2 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human, Mouse Expected from sequence similarity: Human, Mouse, Rat, Dog
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	EEEDSTALVC
Sequence Length	377
Applicable Applications for anti-ACTA2 antibody	WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence EEEDSTALVC, from the N Terminus of the protein sequence according to NP_001604.1; NP_001135417.1.
Epitope	N Terminus
Note	Variants NP_001604.1 and NP_001135417.1 encode the same protein.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1616
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



IF (Immunofluorescence)

AAA61140 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue).
Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). This data is from a previous batch, not on sale.



IHC (Immunohistochemistry)

AAA61140 Negative Control showing staining of paraffin embedded Human Lung, with no primary antibody. This data is from a previous batch, not on sale.

**IHC (Immunohistochemisry)**

AAA61140 (3.5 ug/ml) staining of paraffin embedded Human Lung. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining. This data is from a previous batch, not on sale.

**WB (Western Blot)**

AAA61140 (0.5ug/ml)staining of Human (A) and (1ug/ml) Mouse (B) Duodenum lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

**WB (Western Blot)**

AAA61140 (0.1ug/ml) staining of Human (A) and (0.3ug/ml) Rat (B) Duodenum lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501883
NCBI GeneID	59
NCBI Accession #	NP_001604.1; NP_001135417.1
NCBI GenBank Nucleotide #	NM_001613.2
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-alpha-actin-antibody-western-blot-peptide-elisa-elisa/61140>