

Mouse anti-Human alpha Smooth Muscle Actin Monoclonal Antibody | anti-ACTA2 antibody

Anti-alpha Smooth Muscle Actin Antibody

CATALOG # AAA293408	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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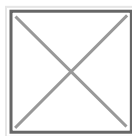
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

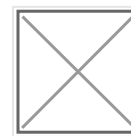
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Specificity	Recognizes endogenous levels of alpha Smooth Muscle Actin protein.
Form/Format	Mouse IgG2a. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.
Applicable Applications for anti-ACTA2 antibody	IHC (Immunohistochemistry)
Cellular Location	Cytoplasm, cytoskeleton
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



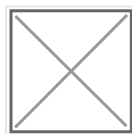
FCM/FACS (Flow Cytometry)

Dilution: IH (1/100 - 1/300) Immunohistochemical analysis of alpha 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.



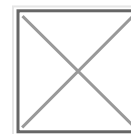
IP (Immunoprecipitation)

Dilution: IH (1/100 - 1/300)



IF (Immunofluorescence)

Dilution: IF IH (1/100 - 1/300) Immunohistochemical analysis of alpha Smooth Muscle Actin staining in human colon 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.



IHC (Immunohistochemistry)

Dilution: IH: (1/100 - 1/300) Immunohistochemical analysis of alpha Smooth Muscle Actin staining in human cardiac 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA2 antibody	Mouse monoclonal antibody to alpha Smooth Muscle Actin KLH-conjugated synthetic peptide encompassing a sequence within human alpha Smooth Muscle Actin. The exact sequence is proprietary. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
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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-immunohistochemistry-elisa/293408>