

Mouse Actin, Smooth Muscle Monoclonal Antibody | anti-ACTA2 antibody

Actin, Smooth Muscle (Leiomyosarcoma Marker) Recombinant Mouse Monoclonal Antibody [Clone rACTA2/1625]

CATALOG # AAA215893	HOST Mouse	REACTIVITY Human Predicted to show a broad reactivity.	APPLICATIONS Immunohistochemistry
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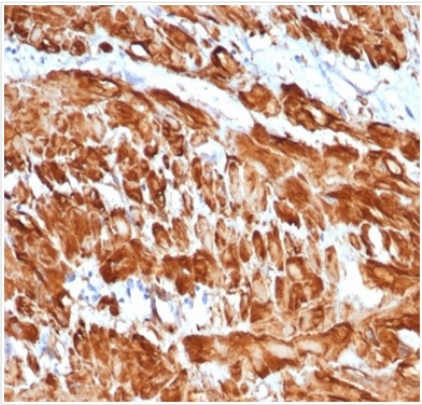
PRODUCT SYNONYMS

Actin; Smooth Muscle; Monoclonal Antibody; Smooth Muscle (Leiomyosarcoma Marker) Recombinant Mouse Monoclonal Antibody [Clone rACTA2/1625]; Smooth Muscle (Leiomyosarcoma Marker); ACTA2; Actin Alpha 2 Smooth Muscle Aorta; Actin Vascular Smooth Muscle; ACTSA; ACTVS; Alpha Cardiac Actin; Alpha-actin-2; Aortic Smooth Muscle; ASMA; Cell Growth-inhibiting Gene 46 Protein; Growth Inhibiting Gene 46; anti-ACTA2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to show a broad reactivity.
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rACTA2/1625
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-ACTA2 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	N-Terminal decapeptide of alpha smooth muscle isoform of actin and conjugated to KLH
Cellular Localization	Cytoplasmic
Positive Control	Blood vessels in all tissues, smooth muscle or leiomyosarcoma
Hu-chromosome Location	10q23.31
Unigene	500483
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human uterus stained with Smooth Muscle Actin
Recombinant Mouse Monoclonal (rACTA2/1625).

ADDITIONAL INFORMATION

Related Product Information for anti-ACTA2 antibody	Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. This MAb does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. This antibody could be used together with anti-muscle specific actin and myogenin in making a identification of smooth muscle and skeletal muscle tumors. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.
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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.