

Mouse alpha-SMA Monoclonal Antibody | anti-alpha-SMA antibody

alpha-SMA Monoclonal Antibody (1E12)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320483	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

alpha-SMA; Monoclonal Antibody; alpha-SMA Monoclonal Antibody (1E12); Actin; aortic smooth muscle; ACTA2; ACTSA; ACTVS; GIG46; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; anti-alpha-SMA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	1E12
Specificity	The antibody detects endogenous alpha-SMA protein.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-alpha-SMA antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide of alpha-SMA
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



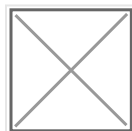
Application Data

Wei, Yuzhen. et al. "Inhibition of microRNA?155 ameliorates cardiac fibrosis in the process of angiotensin II?induced cardiac remodeling." Molecular medicine reports 16.5 (2017): 7287-7296.



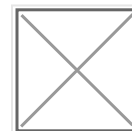
WB (Western Blot)

Western blot analysis of 1) Hela. 2) 3T3. 3) Rat Brain using ?-SMA Monoclonal Antibody.



Application Data

The picture was kindly provided by our customer. Primary antibody was diluted at 1:5000. Loading control antibody was diluted at 1:20000



Application Data

The picture was kindly provided by our customer

ADDITIONAL INFORMATION

Related Product Information for anti-alpha-SMA 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. [provided by RefSeq, Nov 2008]
Product Categories/Family for anti-alpha-SMA antibody	Primary Antibodies

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.