

## $\alpha$ -SMA mouse mAb(6A12) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A23872	Mouse	1 mg/ml	
<b>Applications</b>	WB,IF,IHC		
<b>Reactivity</b>	Human,Mouse,Rat		
<b>Dilution</b>	WB: 1:10000-100000 IF 1:200 IHC:1:1000-2000		
<b>Storage</b>	-20°C/1 year		
<b>Specificity</b>	The antibody detects endogenous $\alpha$ -SMA protein.		
<b>Source / Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.		
<b>Immunogen</b>	Synthetic Peptide of $\alpha$ -SMA		
<b>Uniprot No</b>	P62736		
<b>Alternative names</b>	ACTA2; ACTSA; ACTVS; GIG46; Actin, aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein		
<b>Form</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Conjugation</b>			
<b>Background</b>	<p>actin, alpha 2, smooth muscle, aorta(ACTA2) Homo sapiens 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],</p>		
<b>Other</b>	ACTA2, Actin, aortic smooth muscle		
<b>Product Images:</b>			

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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*For life science research only. Not for use in diagnostic procedures.*

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