

Product datasheet for **TA383666M**

alpha smooth muscle Actin (ACTA2) Mouse Monoclonal Antibody [Clone ID: 3G2-2G9-4G5]

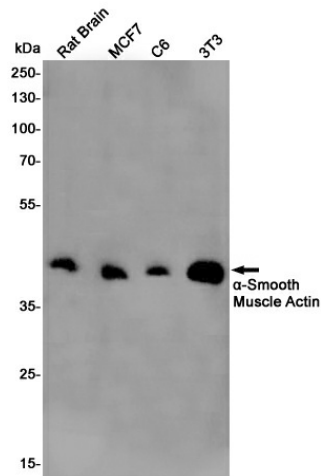
Product data:

Product Type:	Primary Antibodies
Clone Name:	3G2-2G9-4G5
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/5000-50000 ICC/IF: 1/100-1/200 IHC: 1/1000-2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Peptide of α -SMA
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Observed MW (kDa):42
Gene Name:	actin, alpha 2, smooth muscle, aorta
Database Link:	Entrez Gene 59 Human P62736
Background:	Swiss-Prot Acc.P62736.Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.MiscellaneousIn vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility.

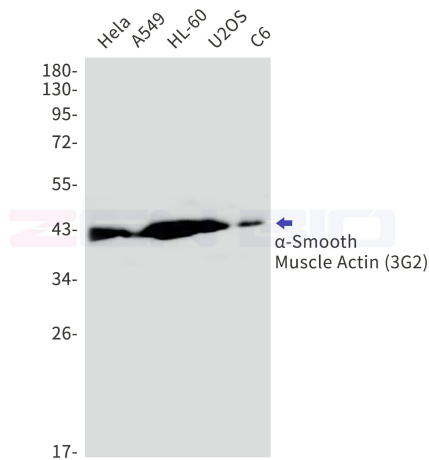

[View online »](#)

Synonyms: AAT6; ACTSA; ACTVS; Alpha-actin-2

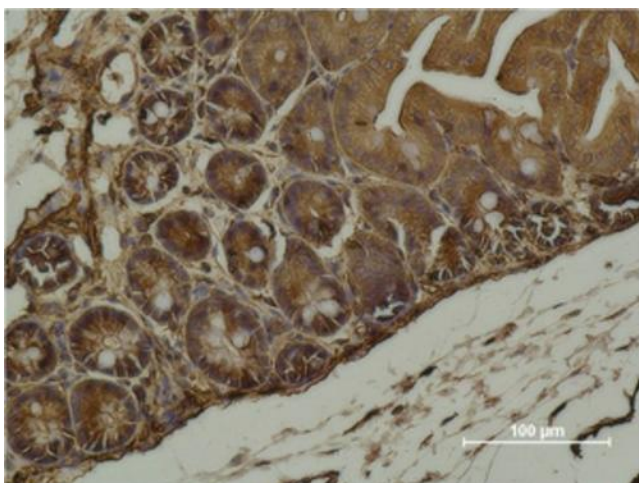
Product images:



Western blot detection of α-Smooth Muscle Actin in Rat Brain, MCF7, C6 and 3T3 cell lysates using α-Smooth Muscle Actin (3G2) Mouse mAb (1:1000 diluted). Predicted band size: 42 kDa. Observed band size: 42 kDa.



Western blot detection of α-Smooth Muscle Actin in HeLa, A549, HL-6, U2OS, C6 cell lysates using α-Smooth Muscle Actin (3G2) antibody. Observed band size: 42 kDa.



Immunohistochemical analysis of paraffin-embedded Mouse Cecal Tissue using α -SMA Monoclonal Antibody.