

## Product datasheet for **TA383662**

### Actin (ACTA1) Mouse Monoclonal Antibody [Clone ID: 2B10-5B7-1F7]

#### Product data:

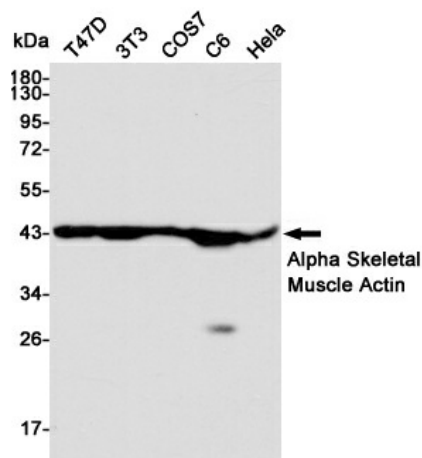
Product Type:	Primary Antibodies
Clone Name:	2B10-5B7-1F7
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/500-10000 IP: 1/20 ICC: 1/200 IHC: 1/50-300
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Synthetic Peptide of $\alpha$ skeletal muscle actin
Formulation:	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 1, skeletal muscle
Database Link:	<a href="#">Entrez Gene 58 Human P68133</a>
Background:	Swiss-Prot Acc.P68133.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.



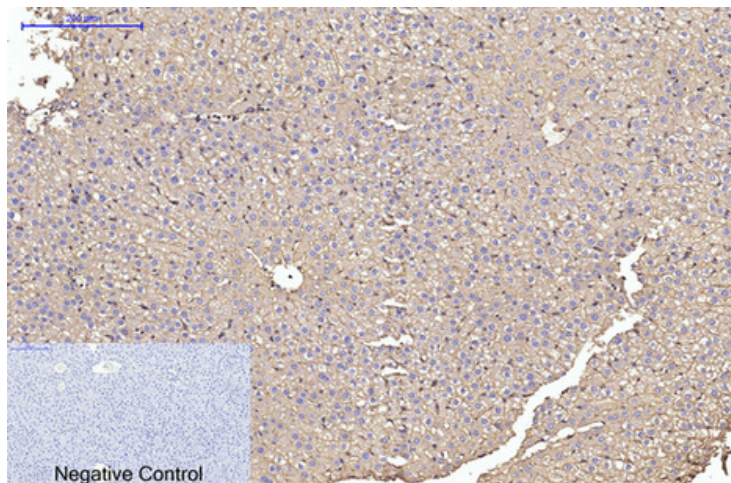
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Synonyms: ACTA; Alpha-actin-1; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3

### Product images:



Western blot detection of Alpha Skeletal Muscle Actin in T47D, 3T3, COS7, C6 and HeLa cell lysates using Alpha Skeletal Muscle Actin mouse mAb (1:10000 diluted). Predicted band size: 42 kDa. Observed band size: 42 kDa.



Immunohistochemical analysis of paraffin-embedded Rat-liver tissue. 1,  $\alpha$  skeletal muscle actin Monoclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.