

## Product datasheet for **TA383665S**

### Actin (ACTA1) Rabbit Monoclonal Antibody [Clone ID: R03-5I2]

#### Product data:

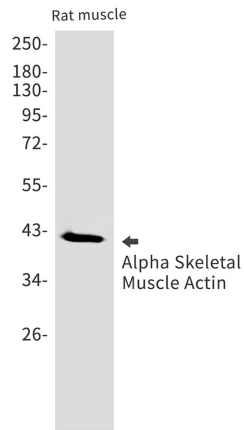
Product Type:	Primary Antibodies
Clone Name:	R03-5I2
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/1000-1/5000 IHC: 1/50 ICC/IF: 1/20-1/100 IP: 1/20
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human muscle Actin
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
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:	Calculated MW: 42 kDa; Observed MW: 42 kDa
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.



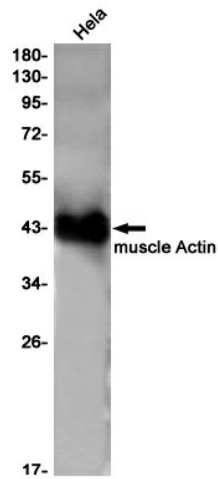
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**Synonyms:** ACTA; Alpha-actin-1; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3

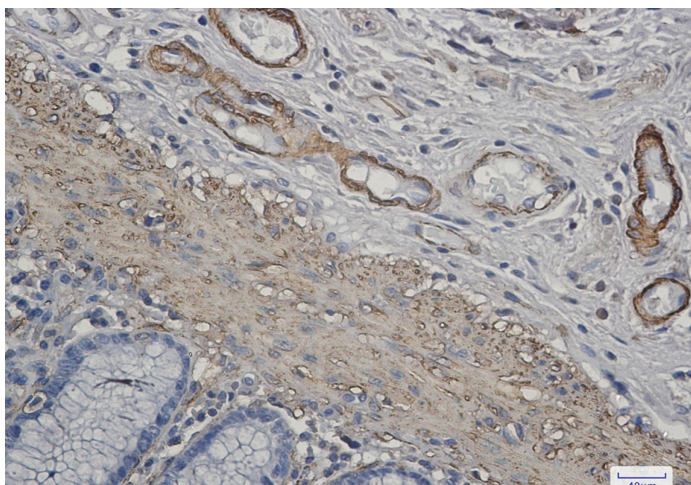
**Product images:**



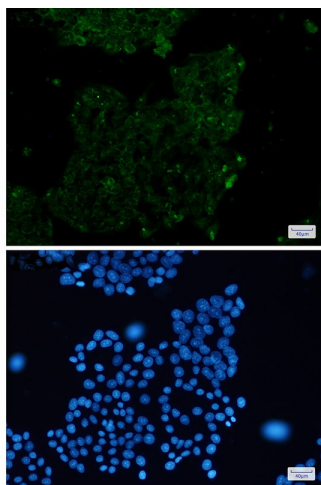
Western blot analysis of Alpha Skeletal Muscle in rat muscle lysates using alpha Skeletal Muscle Actin antibody.



Western blot analysis of muscle Actin in HeLa lysates using muscle Actin antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using muscle Actin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of muscle Actin(green) in HeLa using muscle Actin antibody, and DAPI(blue).