

# Anti-alpha Skeletal Muscle Actin Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

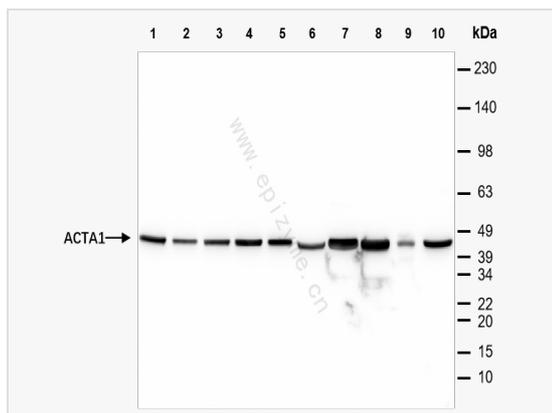
Catalog # M014695

## Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Mouse (Cell), Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	99N18D98
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human alpha Skeletal Muscle Actin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-alpha Skeletal Muscle Actin Mouse mAb [99N18D98] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	a actin, ACTA, ACTA1, Actin, alpha skeletal muscle, ACTS_HUMAN, Alpha actin 1, Alpha-actin-1, ASMA, MPFD, Skeletal muscle alpha actin I.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 42 kDa
Uniprot ID	P68133
Gene ID	58
Background	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Cellular Location	Cytoplasm > cytoskeleton.



Western Blot - Anti-alpha Skeletal Muscle Actin Mouse mAb [99N18D98]

All lanes: M014695 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Rat kidney whole tissue lysates

Lane 7: Rat muscle whole tissue lysates

Lane 8: Rat spleen whole tissue lysates

Lane 9: Mouse small intestine whole tissue lysates

Lane 10: Mouse heart whole tissue lysates

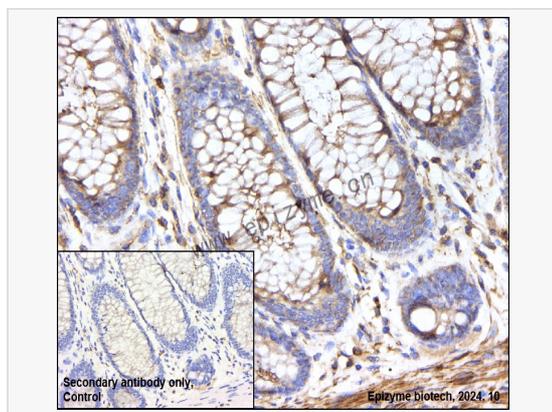
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-alpha Skeletal Muscle Actin Mouse mAb [99N18D98]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M014695 at 1:200 dilution

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.