
Actin, alpha skeletal muscle Mouse mAb

Catalog Number: bsm-33308M

Target Protein: Actin, alpha skeletal muscle

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 5F11

Isotype: IgG1

Applications: WB (1:2000-5000), IHC-P (1:500-1000), IHC-F (1:500-1000), IF (1:500-1000)

Reactivity: Human, Mouse, Rat (predicted:Duck)

Predicted MW: 42 kDa

Entrez Gene: 58

Swiss Prot: P68133

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

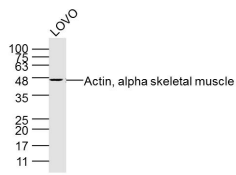
Size : 200ug (PBS only)

0.01M PBS

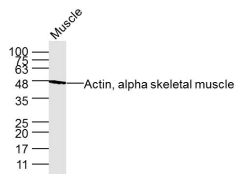
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The product 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. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq, Jul 2008]

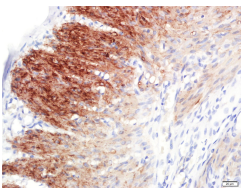
VALIDATION IMAGES



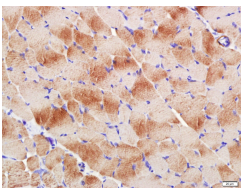
Sample: LOVO Cell (Human) Lysate at 40 ug Primary: Anti- Actin, alpha skeletal muscle (bsm-33308M) at 1/2 000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD
Observed band size: 47 kD



Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti- Actin, alpha skeletal muscle (bsm-33308M) at 1/2 000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD
Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (Rat uterine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Actin, alpha skeletal muscle) Monoclonal Antibody, Unconjugated (33308M-5E9) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Actin, alpha skeletal muscle) Monoclonal Antibody, Unconjugated (33308M-5E9) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=1.785] Xinheng Zhanget al. gga-microRNA-375 negatively regulates the cell cycle and proliferation by targeting Yes-associated protein 1 in DF-1 cells. Exp Ther Med . 2020 Jul;20(1):530-542. WB ; chicken . 32537011