

**bsm-33308M****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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**Actin, alpha skeletal muscle Mouse mAb****— DATASHEET —****Host:** Mouse**Isotype:** IgG1**Clonality:** Monoclonal**CloneNo.:** 5F11**GeneID:** 58**SWISS:** P68133**Target:** Actin, alpha skeletal muscle**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

**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.

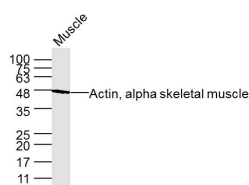
**Background:** The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile 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]

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

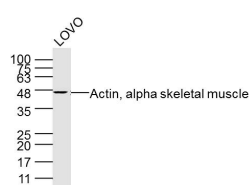
**Reactivity:** Human, Mouse, Rat  
(predicted: Duck)

**Predicted MW.:** 42 kDa

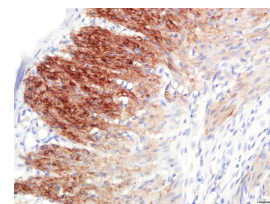
**Subcellular Location:** Cytoplasm

**— VALIDATION IMAGES —**

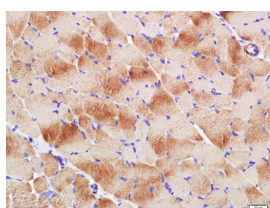
Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti- Actin, alpha skeletal muscle (bsm-33308M) at 1/2 000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 47 kD



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



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

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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.

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## — SELECTED CITATIONS —

- **[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