

## Skeletal Muscle Actin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50370

Clone# BP6337

**Predicted Molecular Wt:** 42kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P68133

### Background:

Skeletal Muscle Actin encoded by the ACTA1 gene, is an essential protein in skeletal muscle that belongs to the highly conserved actin family and plays a pivotal role in cell motility, structure, and integrity.

Skeletal Muscle Actin is restricted to normal differentiated skeletal myofibers, with trace expression also detected in cardiac muscle and myoepithelial layers of exocrine glands. Among tumors, the protein is selectively retained in rhabdomyosarcomas and leiomyosarcomas.

Immunohistochemical staining for Skeletal Muscle Actin is routinely used to confirm skeletal or smooth-muscle differentiation, sharply delineating rhabdomyosarcoma and leiomyosarcoma from other poorly differentiated sarcomas and carcinomas.

### Subcellular location:

Cytoplasm

### Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

The synthetic peptide corresponding to Human Skeletal Muscle Actin aa 1-50.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

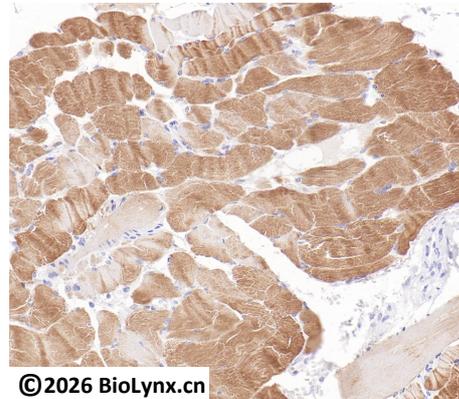
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

1. Mehri, M. et al. (2017) J Cell Biol. Mar 6;216(3):793-814.
2. Dandan, H. et al. (2022) Biology. Jun 19;11(6):936.



©2026 BioLynx.cn

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle labelling Skeletal Muscle Actin with BP6337.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.