

Actin (Smooth Muscle) Mouse Monoclonal Antibody Product Datasheet

Catalog# BX50141

Clone# 1A4

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

Purity: ProG affinity purified IgG
Form: Liquid
Swissprot ID: P62736

Background:

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. In 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.

Subcellular location:

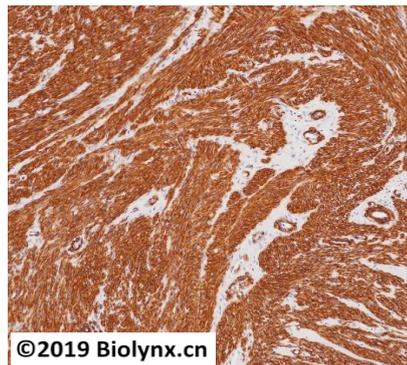
Cytoplasm

Recommended method:

Don't need to repair.

Immunogen:

N-terminal synthetic decapeptide of Human α -smooth muscle actin



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of cervical leiomyoma tissue labelling Mouse Monoclonal Antibody with 1A4.

Storage Buffer:

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

Storage conditions:

-25°C to -18°C

Storage instructions:

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

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Gabbiani G, et. al, Proc Natl Acad Sci U S A. 1981 Jan;78(1):298-302.
2. Itoga T, et. al, Pathol Int. 2003 Jun;53(6):371-5.

Product QC'd by: 

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