

Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide Mouse Monoclonal Antibody [Clone SPM160 ]

Catalog # AH10933

#### Specification

# Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Product Information

- Application Primary Accession Other Accession
- Reactivity Host Clonality Isotype Calculated MW

IHC-P, IF, FC <u>P62736</u> 58, 59, 70, <u>118127</u>, <u>1288</u>, <u>500483</u>, <u>P68032</u>, <u>P68133</u> Human, Rat, Rabbit Mouse Monoclonal Mouse / IgG1, kappa Multiple KDa

## Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 59

**Other Names** 

Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS

Application Note <span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class ="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_FC">FC~~1:10~50</span>

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions

Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Protein Information

Name ACTA2

Synonyms ACTSA, ACTVS



Function

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

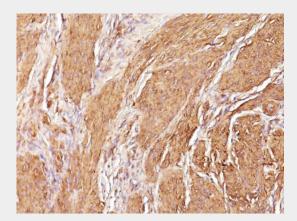
**Cellular Location** Cytoplasm, cytoskeleton.

### Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Muscle Specific Actin Monoclonal Antibody (SPM160)

### Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Background

This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium. Actin can be resolved on the basis of its isoelectric points into three distinctive components: alpha, beta, and gamma in order of increasing isoelectric point. Anti-muscle specific actin recognizes alpha and gamma isotype of all muscle groups. Non-muscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of non-muscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative. Alt stains tumors of smooth muscle (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas).

### Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - References

Tsukada T. et. al. Am J Pathol 1987, 126:51. | Tsukada T. et. al. Am J Pathol 1987, 127:389