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

Mouse Monoclonal Antibody [Clone HHF35 + MSA/953]
Catalog # AH13011

Specification

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

Application	**,14,3,4,**
Primary Accession	P62736
Other Accession	58, 59, 70, 118127, 1288, 500483, P68032, P68133
Reactivity	**Human, Rat, Rabbit**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**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

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.

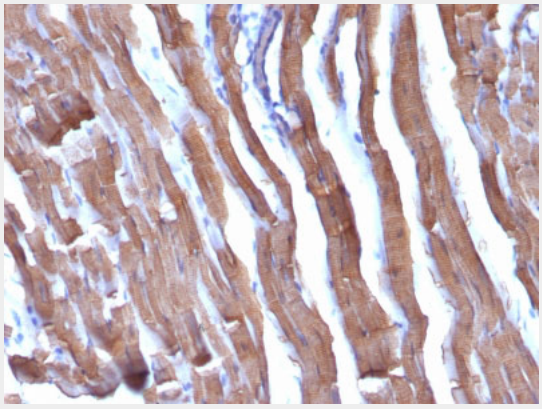
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Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Protocols

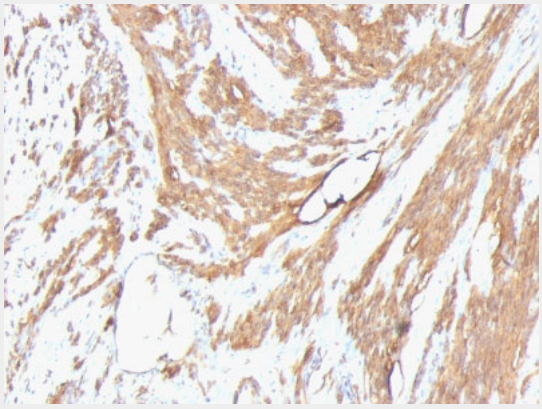
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

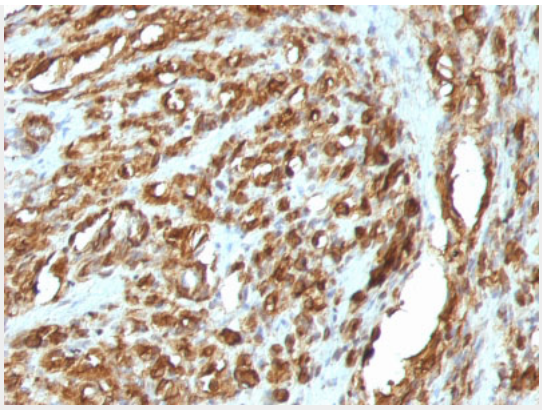
Actin, Muscle Specific (Muscle Cell Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded Rat Heart stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



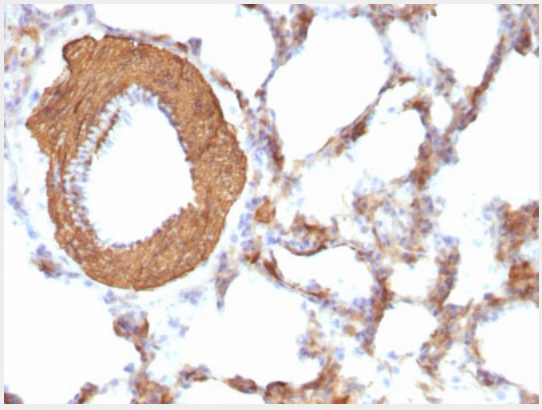
Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



Formalin-fixed, paraffin-embedded Rat Stomach stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



Formalin-fixed, paraffin-embedded Rat Lung stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)

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 isotypes 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.ĀIt 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

Barkalow, K. and Hartwig, J.H. 1995. Actin cytoskeleton. Setting the pace of cell movement. Curr. Biol. 5: 1000-1002