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Actin, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM332]

Catalog # AH10708

Specification

Actin, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide - Product Information

Application	**,14,3,4,**
Primary Accession	P62736
Other Accession	59, 500483
Reactivity	**Human, Mouse, Rat, Rabbit, Monkey, Pig, Chicken, Goat, Baboon, Cow, Sheep, Guinea Pig, Dog, Cat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2a, kappa**
Calculated MW	**42kDa KDa**

Actin, Smooth Muscle (Leiomyosarcoma 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

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

Actin, Smooth Muscle (Leiomyosarcoma 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.

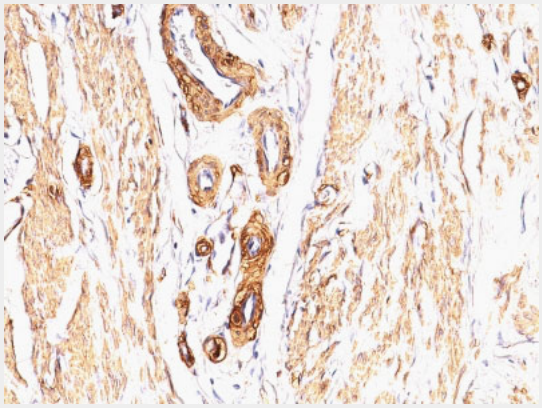
Cellular Location
Cytoplasm, cytoskeleton.

Actin, Smooth Muscle (Leiomyosarcoma 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, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded Leiomyosarcoma stained with Smooth Muscle Actin Monoclonal Antibody (SPM332).

Actin, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide - Background

Actin is a major component of the cytoskeleton and is present in most cell types. This MAb is highly specific to actin from smooth muscles. Its epitope lies in the first four N-terminal amino acids. This MAb does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. This antibody could be used together with anti-muscle specific actin and myogenin in making a diagnosis of smooth muscle and skeletal muscle tumors. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.

Actin, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide - References

Skalli O et. al. Journal of Cell Biology, 1986, 103:2787-96