

**Actin, Smooth Muscle (Leiomyosarcoma Marker) Antibody - With BSA and Azide  
Mouse Monoclonal Antibody [Clone SPM332 ]  
Catalog # AH10708**

**Specification**

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

Application	,14,3,4,
Primary Accession	<a href="#">P62736</a>
Other Accession	<a href="#">59, 500483</a>
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Pig, Chicken, Goat, Baboon, Bovine, 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

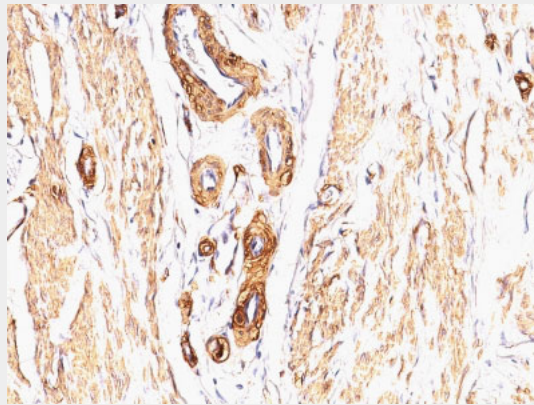
Cytoplasm, cytoskeleton.

### 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 Cytometry](#)
- [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