

## DATASHEET

# Actin, Smooth Muscle Mouse Monoclonal Antibody (ARM919)

CAT. NO. ARM6709

### KEY FEATURES

Target	Actin, Smooth Muscle	Clone ID	ARM919
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

### BACKGROUND

Actin is part of the cytoskeletal system of all cell types. Smooth muscle actin is found in myofibroblasts and myoepithelium, but not in cardiac or skeletal muscles. Labeling of smooth muscle actin in concert with muscle-specific actin staining can allow for differentiation between rhabdomyosarcoma and leiomyosarcoma, as muscle-specific actin is found in rhabdomyoblasts, while smooth muscle actin is found in leiomyosarcomas.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

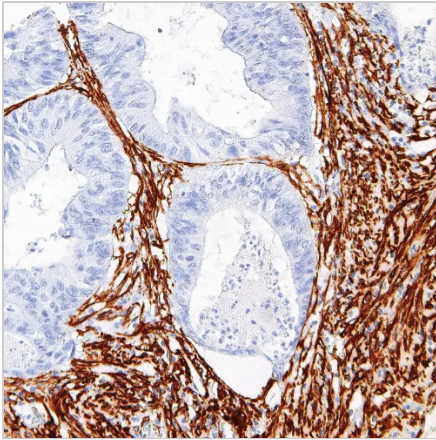
Antibody Type	Primary antibodies
Isotype	IgG2a, kappa
Positive Control	Appendix, Uterus, Vessel Wall
Localization	Cytoplasmic
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	ACTA2
Entrez Gene ID	59
Uniprot	P62736
Alternative Names	SMA, Alpha-smooth muscle actin

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****Actin, Smooth Muscle Mouse Monoclonal Antibody (ARM919)****CAT. NO. ARM6709****| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| DATA**

Immunohistochemical staining of human colon tissue using Actin, Smooth Muscle Mouse Monoclonal Antibody (ARM919).

**| RESEARCH USE ONLY**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / actin,-smooth-muscle-mouse-monoclonal-antibody-arm919-arm6709](http://www.arexbio.com/actin,-smooth-muscle-mouse-monoclonal-antibody-arm919-arm6709)