

Product Name: alpha Smooth Muscle Actin Mouse Monoclonal Antibody**Catalog #:** AMM80946

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:100,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	42kDa

Antigen Information

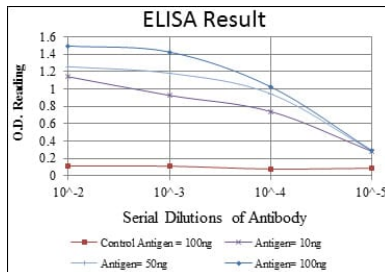
Gene Name	alpha Smooth Muscle Actin
Alternative Names	ACTA2;AAT6; ACTSA; ACTA2;α-Smooth Muscle Actin;Alpha-actin-2;Alpha actin 2
Gene ID	59.0
SwissProt ID	P62736
Immunogen	Purified recombinant fragment of human ACTA2 expressed in E. Coli.

Background

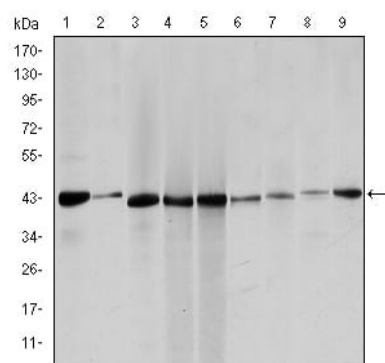
Actin,alpha 2, smooth muscle, aorta, major constituent of thin filaments.

Research Area

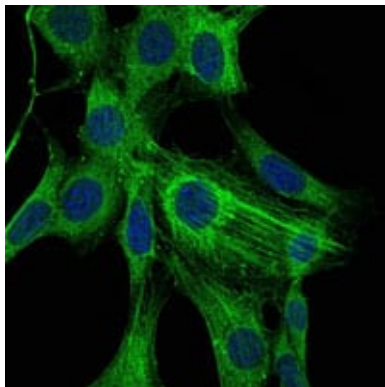
Image Data



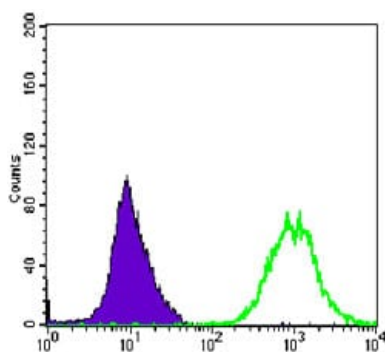
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



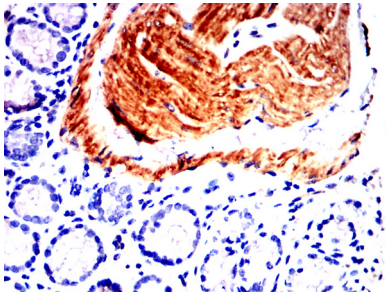
Western blot analysis using ACTA2 mouse mAb against HeLa (1), Jurkta (2), HepG2 (3), MCF-7 (4), A431 (5), A549 (6), PC-12 (7), NIH/3T3 (8) and Cos7 (9) cell lysate.



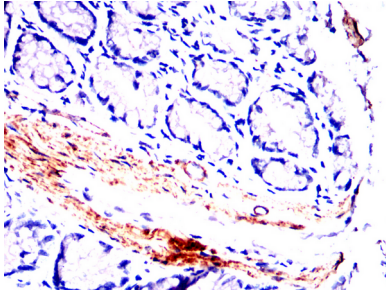
Immunofluorescence analysis of NIH/3T3 cells using ACTA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



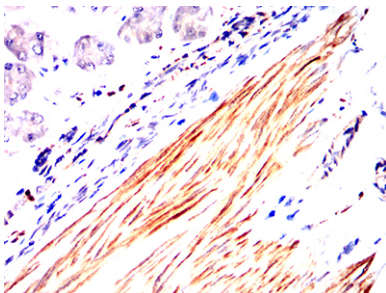
Flow cytometric analysis of HeLa cells using ACTA2 mouse mAb (green) and negative control (purple).



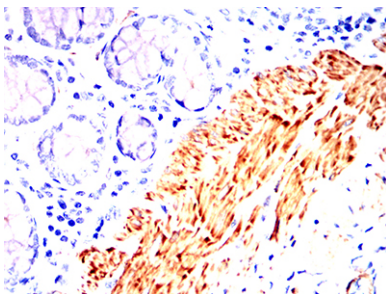
Immunohistochemical analysis of paraffin-embedded Mouse colon using ACTA2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat colon using ACTA2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit stomach using ACTA2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit rectum using ACTA2 mouse mAb with DAB staining.