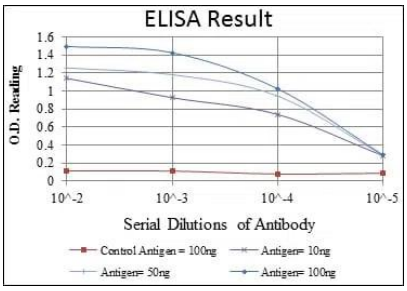
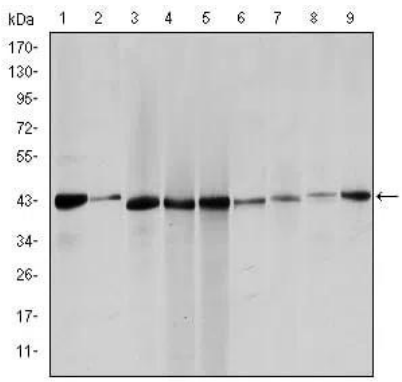
Product Data Sheet
α-SMA Mouse Monoclonal Antibody (1A4)

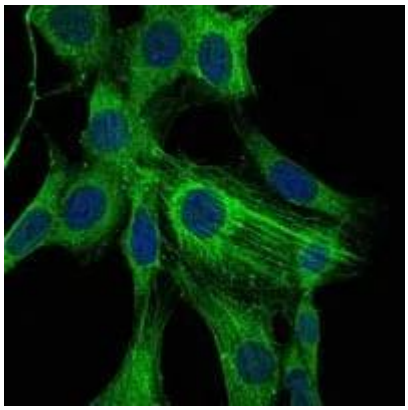
Product name:	α-SMA Mouse Monoclonal Antibody (1A4)
Cat number:	MABN80946
Conjugate:	Unconjugated
Size:	100 µL
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Reactivity:	Human, Mouse, Rat, Rabbit, Monkey
Applications:	WB 1:500-1:2000 IHC 1:50-1:100 ICC/IF 1:200-1:1000 ELISA 1:5000-1:20000 FC 1:200-1:400
Molecular Weight:	42kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	ACTA2;AAT6; ACTSA; ACTA2;α-Smooth Muscle Actin;Alpha-actin-2;Alpha actin 2
Background:	Actin alpha 2, smooth muscle, aorta, major constituent of thin filaments.



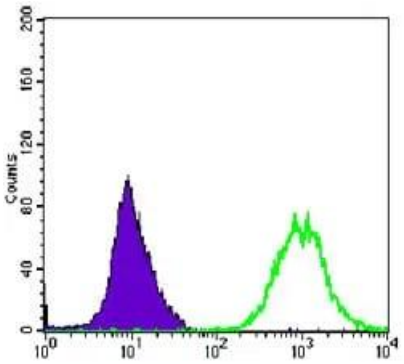
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



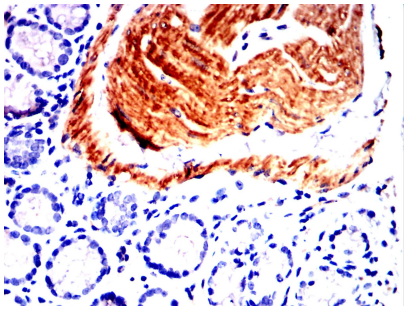
Western blot analysis using ACTA2 mouse mAb against Hela (1), Jurkta (2), HepG2 (3), MCF-7 (4), A431 (5), A549 (6), PC-12 (7), NIH/3T3 (8) and Cos7 (9) cell lysate.



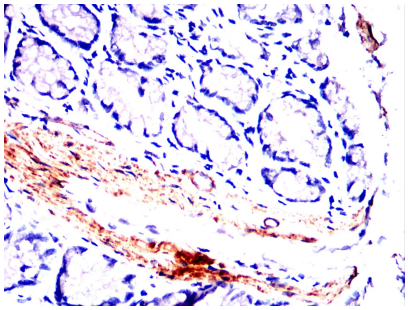
Immunofluorescence analysis of NIH/3T3 cells using ACTA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye



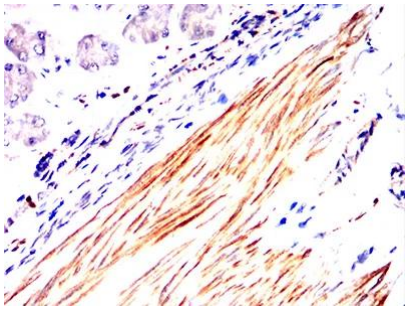
Flow cytometric analysis of Hela cells using ACTA2 mouse mAb (green) and negative control (purple).



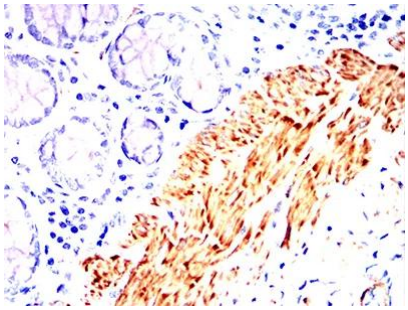
Immunohistochemical analysis of paraffin-embedded Mouse colon using ACTA2 mouse mAb with DAB staining.



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.