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alpha smooth muscle Actin Antibody

Rabbit mAb
Catalog # AP90063

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P62736
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS, GIG46
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	42009

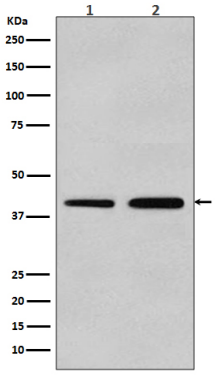
Additional Information

Dilution	WB 1:1000~1:10000 IHC 1:500~1:1000 ICC/IF 1:100~1:500 FC 1:20
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human alpha smooth muscle Actin
Description	Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. They are primarily associated with a characteristic histologic appearance known as 'medial necrosis' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of alpha smooth muscle Actin expression in (1)A549 cell lysate; (2)C2C12 cell lysate using alpha-SMA antibody.

Image not found : 202311/AP90063-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human colon, using alpha smooth muscle Actin Antibody.

Image not found : 202311/AP90063-IF.jpg

Immunofluorescent analysis of A431 cells, using alpha smooth muscle Actin Antibody .

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