

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 |

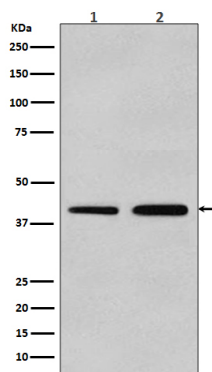
Additional Information

| | |
|-------------------------------------|---|
| 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 .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.