

alpha smooth muscle Actin Antibody



Catalog No: T51132

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF FC

www.ab-mart.com.cn

400-6123-828

Information

UniProt ID: P62736

All Names: Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS, GIG46

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

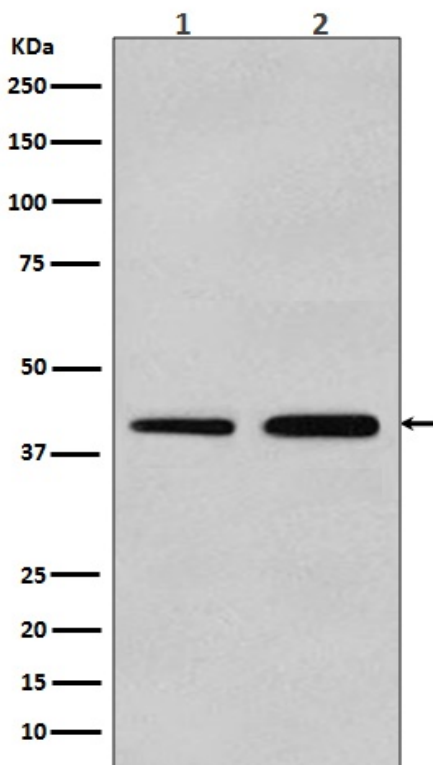
Molecular Wt.: 42kDa

Application

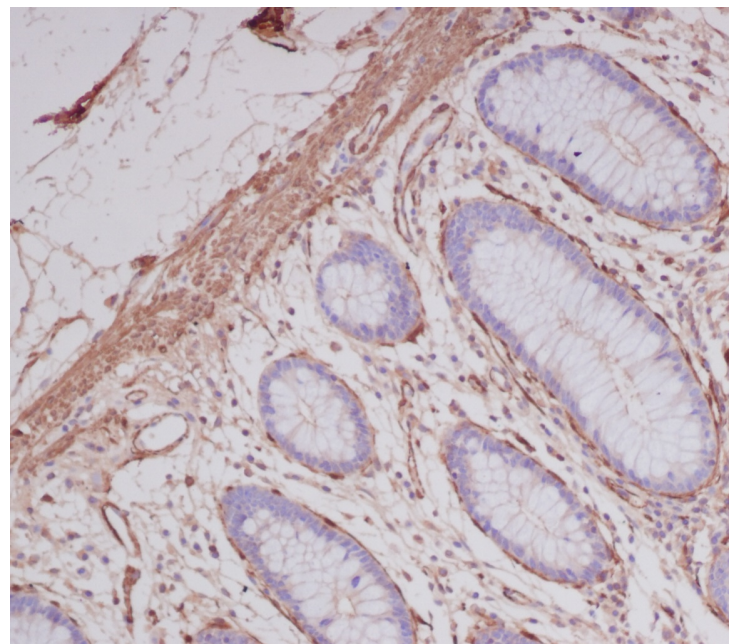
WB 1:1000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:20

Background

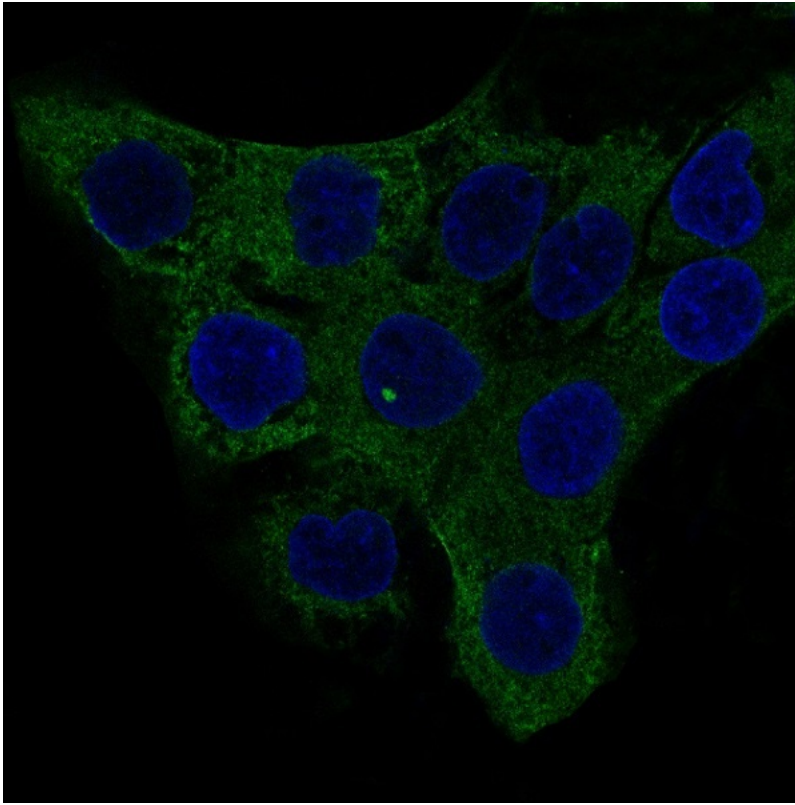
Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. They are primarily associated with a characteristic histologic appearance known as 'medial necrosis' 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.



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



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



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