

ALPHA SMOOTH MUSCLE ACTIN (3G2) MOUSE MAB

Cat.#: N261262

Product Name: Anti-alpha Smooth Muscle Actin (3G2) Mouse Monoclonal Antibody

Synonyms: ACTA2; ACTSA; ACTVS; GIG46; Actin; aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; α -SMA

UNIPROT ID: P62736

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.

Immunogen: Synthetic Peptide of α -SMA

Applications: WB,IHC-F,IHC-P,ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 3G2-2G9-4G5

MW: Calculated MW: 42 kDa; Observed MW: 42 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

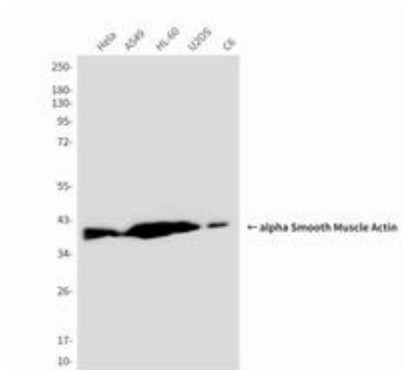
Conjugation: Unconjugated

Modification: Unmodified

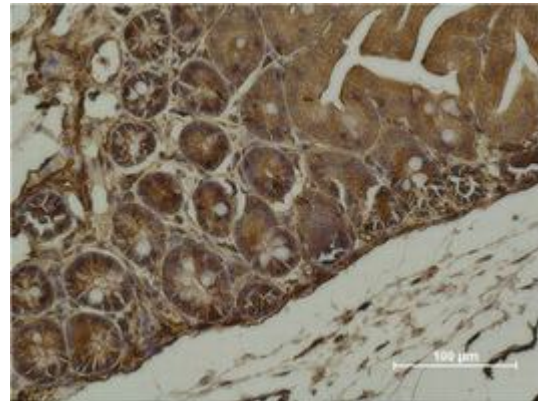
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

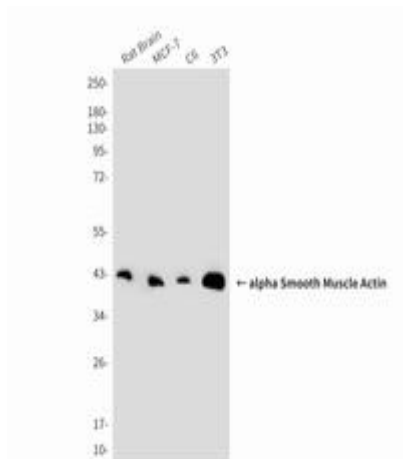
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of alpha Smooth Muscle Actin (3G2) in HeLa, A549, HL6, U2OS, C6 lysates using alpha Smooth Muscle Actin (3G2) antibody



Immunohistochemistry analysis of paraffin-embedded mouse Cecal Tissue using alpha Smooth Muscle Actin (3G2) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of alpha Smooth Muscle Actin (3G2) in Rat Brain, MCF-7, C6 and 3T3 lysates using alpha Smooth Muscle Actin (3G2) antibody