

SMA Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251813

Unit: 0.1 mg

Description:

Alpha-actin-2 (ACTA2), the human aortic smooth muscle actin gene, is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. Alpha-actins are a major constituent of the contractile apparatus. Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6, characterized by permanent dilation of the thoracic aorta.

Isotype: Mouse IgG2a

Applications: E, IHC, WB

Species Reactivity: H, M, R

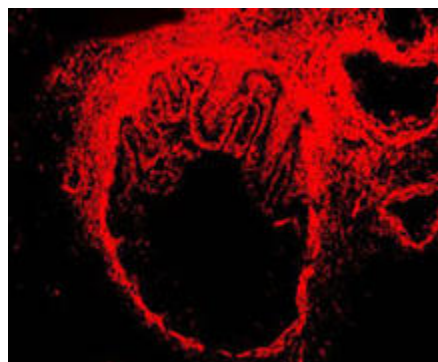
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.2% BSA with 0.09% sodium azide. Antibody was purified by anti-mouse IgG affinity chromatography.

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

Accession No.: P62736

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SMA.

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen sections and formalin-fixed paraffin tissues. E: 0.5-1 ug/ml; WB: 1-2 ug/ml; IHC: 0.5-1 ug/ml



SMA staining in rat cardiac muscle. Formalin-fixed paraffin-embedded rat cardiac muscle tissue is stained with SMA Antibody (Cat. No. 251813) used at 0.1 ug/ml.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Zhu X et al. 2014. Oncogene. 33(15): 1986-96. PMID# 23604117

For research use only, not for diagnostic or therapeutic procedures.