

SMMHC Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250861

Unit: 0.1 mg

Description:

Smooth muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC), and 2 regulatory light chain subunits (MLC-2).

Smooth muscle myosin heavy chain (myosin-11 or SMMHC), a cytoplasmic structural protein, is a major component of the contractile apparatus in smooth muscle cells. Expression of smooth muscle myosin is developmentally regulated, appearing early in smooth muscle development and specific for smooth muscle development. Two isoforms of smooth muscle myosin heavy chain have been identified, designated MHC-1 and MHC-2. Defects in SMMHC are the cause of aortic aneurysm familial thoracic type 4 and a chromosomal aberration involving SMMHC is found in acute myeloid leukemia.

Isotype: Rabbit Ig

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 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Myosin-11; Myosin heavy chain 11; Myosin heavy chain, smooth muscle isoform; SMMHC; MYH11

Accession No.: P35749

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

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: [1] Staus P et al. 2011. Arteriosclerosis, Thrombosis, and Vascular Biology. 31:360-367. PMID# 21106951. [2] Zaman A et al. 2011. Experimental Biology & Medicine. 236(5): 598-603. PMID# 21521712.

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