

bs-1956R**[Primary Antibody]**

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smooth muscle Myosin heavy chain 11 Rabbit pAb

— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 4629</p> <p>Target: smooth muscle Myosin heavy chain 11</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human SMHC: 1801-1979/1979.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p>Background: The protein encoded by this gene is a smooth muscle myosin belonging to the myosin heavy chain family. The gene product is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. It functions as a major contractile protein, converting chemical energy into mechanical energy through the hydrolysis of ATP. The gene encoding a human ortholog of rat NUDE1 is transcribed from the reverse strand of this gene, and its 3' end overlaps with that of the latter. The pericentric inversion of chromosome 16[inv(16)(p13q22)] produces a chimeric transcript that encodes a protein consisting of the first 165 residues from the N terminus of core-binding factor beta in a fusion with the C-terminal portion of the smooth muscle myosin heavy chain. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Alternative splicing generates isoforms that are differentially expressed, with ratios changing during muscle cell maturation. Alternatively spliced transcript variants encoding different isoforms have been identified. MYH11 is a smooth muscle myosin belonging to the myosin heavy chain family. It is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. It functions as a major contractile protein, converting chemical energy into mechanical energy through the hydrolysis of ATP.</p>	<p>Isotype: IgG</p> <p>SWISS: P35749</p> <p>Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)</p> <p>Reactivity: (predicted: Human, Mouse, Rat, Cow, Dog)</p> <p>Predicted MW.: 227 kDa</p> <p>Subcellular Location: Cell membrane ,Cytoplasm</p>
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— SELECTED CITATIONS —

- **[IF=4.222]** Yi Song. et al. LncRNA SENCRC overexpression attenuated the proliferation, migration and phenotypic switching of vascular smooth muscle cells in aortic dissection via the miR-206/myocardin axis. Nutr Metab Cardiovas. 2022 Mar;; IHC ;Other. 35351345
- **[IF=2.76]** Liu, Guanghui, et al. "Isolation, purification, and cultivation of primary retinal microvascular pericytes: a novel model using rats." Microcirculation (2014). Other ;Rat. 24495210
- **[IF=1.977]** Jie Li. et al. MicroRNA-127-3p regulates myoblast proliferation by targeting Sept7. Biotechnol Lett. 2020 Sep;42(9):1633-1644 WB ;Mouse. 32382971