Leader in Biomolecular Solutions for Life Science

SMMHC/MYH11 Rabbit mAb

Catalog No.: A22339 Recombinant



Basic Information

Observed MW

251kDa

Calculated MW

227kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC51916

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. A chromosomal rearrangement involving this gene is associated with acute myeloid leukemia of the M4Eo subtype. Mutations in this gene are associated with visceral myopathy, megacystis-microcolon-intestinal hypoperistalsis syndrome 2, and familial thoracic aortic aneurysm 4.

Recommended Dilutions

WB

1:500 - 1:1000

Immunogen Information

Gene ID

Swiss Prot

P35749

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1160-1313 of human SMMHC/MYH11 (NP 002465.1).

Synonyms

AAT4; FAA4; SMHC; SMMHC; VSCM2; SMMS-1; SMMHC/MYH11

Contact

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www.abclonal.com

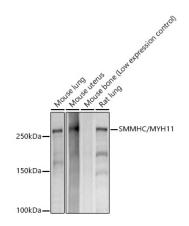
Product Information

Source Rabbit **Isotype** IgG **Purification**Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.



Western blot analysis of various lysates, using SMMHC/MYH11 antibody (A22339) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

