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SMTNL1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11480c

Specification

SMTNL1 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	A8MU46
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52987**
Antigen Region	**130-159**

SMTNL1 Antibody (Center) - Additional Information

Gene ID 219537

Other Names
Smoothelin-like protein 1, SMTNL1

Target/Specificity
This SMTNL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-159 amino acids from the Central region of human SMTNL1.

Dilution
WB~~1:2000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SMTNL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SMTNL1 Antibody (Center) - Protein Information

Name SMTNL1

Function Plays a role in the regulation of contractile properties of both striated and smooth muscles. When unphosphorylated, may inhibit myosin dephosphorylation. Phosphorylation at

Ser-299 reduces this inhibitory activity (By similarity).

Cellular Location
Cytoplasm, myofibril. Cytoplasm, myofibril, sarcomere, I band. Cytoplasm, myofibril, sarcomere, M line Nucleus. Note=Colocalizes with MYH2. In its unphosphorylated state, localizes to the cytoplasm (By similarity) Phosphorylation at Ser-301 promotes translocation to the nucleus (By similarity).

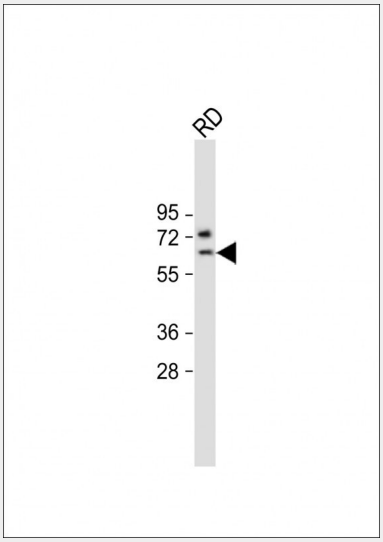
Tissue Location
Expressed in striated muscles, specifically in type 2a fibers (at protein level).

SMTNL1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

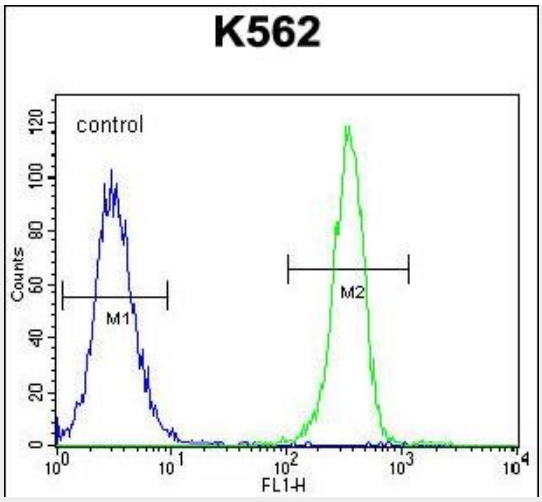
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SMTNL1 Antibody (Center) - Images



Anti-SMTNL1 Antibody (Center) at 1:2000 dilution + RD whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size :43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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SMTNL1 Antibody (Center) (Cat. #AP11480c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.