

# SMTNL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11480c

## Product Information

---

<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">A8MU46</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB29273
<b>Calculated MW</b>	52987
<b>Antigen Region</b>	130-159

## Additional Information

---

<b>Gene ID</b>	219537
<b>Other Names</b>	Smoothelin-like protein 1, SMTNL1
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:2000 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	SMTNL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	SMTNL1
<b>Function</b>	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

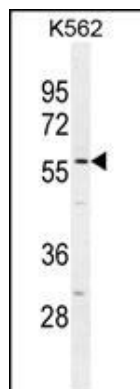
Cytoplasm, myofibril. Cytoplasm, myofibril, sarcomere, I band. Cytoplasm, myofibril, sarcomere, M line Nucleus. Note=Colocalizes with MYH2. In its unphosphorylated state, localizes to the cytoplasm (By similarity) Phosphorylation at Ser-301 promotes translocation to the nucleus (By similarity).

## Tissue Location

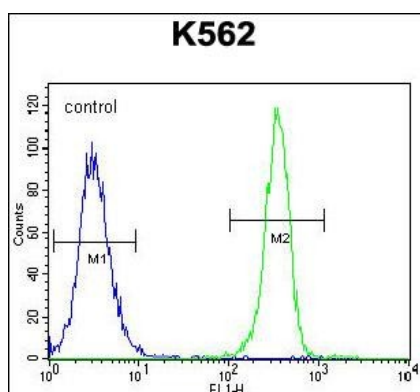
Expressed in striated muscles, specifically in type 2a fibers (at protein level).

## Images

---



SMTNL1 Antibody (Center) (Cat. #AP11480c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the SMTNL1 antibody detected the SMTNL1 protein (arrow).



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.