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SMTNL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11480c

Product Information

Application	WB, FC, E
Primary Accession	A8MU46
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29273
Calculated MW	52987
Antigen Region	130-159

Additional Information

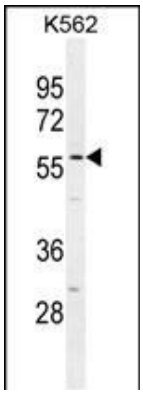
Gene ID	219537
Other Names	Smoothelin-like protein 1, SMTNL1
Target/Specificity	This SMTNL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-159 amino acids from the Central region of human SMTNL1.
Dilution	WB~~1:2000 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

Protein Information

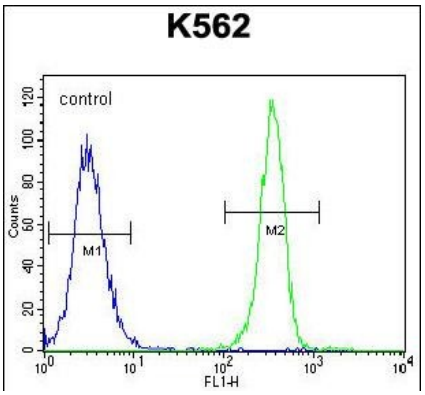
Name	SMTNL1
Function	Plays a role in the regulation of contractile properties of both striated and smooth muscles. When unphosphorylated, may inhibit myosin dephosphorylation. Phosphorylation at Ser-299 reduces this inhibitory activity (By similarity).

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).

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'.