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SMTNL1 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15379

Product Information

Application	WB
Primary Accession	A8MU46
Reactivity	Human, Pig, Dog, Yeast
Predicted	Human, Pig, Dog, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52987

Additional Information

Gene ID	219537
Other Names	Smoothelin-like protein 1, SMTNL1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-SMTNL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	SMTNL1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

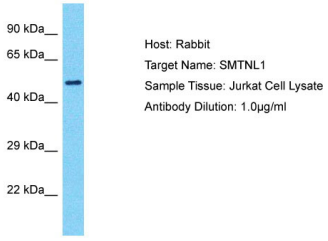
Protein Information

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).

References

Taylor T.D.,et al.Nature 440:497-500(2006).
Wooldridge A.A.,et al.J. Biol. Chem. 283:11850-11859(2008).
Lontay B.,et al.J. Biol. Chem. 285:29357-29366(2010).

Images



Host: Rabbit
Target Name: SMTNL1
Sample Tissue: Jurkat Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

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