

Recombinant Anti-SNTA1 Rabbit mAb

Catalog # AP95188

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q13424
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	53895

Additional Information

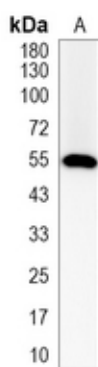
Gene ID	6640
Other Names	SNT1; Alpha-1-syntrophin; 59 kDa dystrophin-associated protein A1 acidic component 1; Pro-TGF-alpha cytoplasmic domain-interacting protein 1; TACIP1; Syntrophin-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human SNTA1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

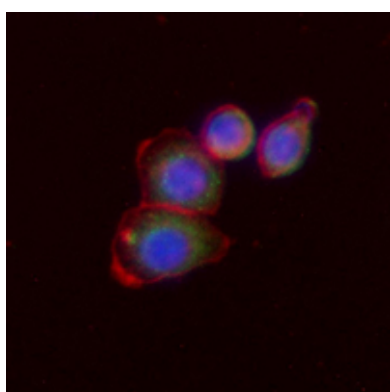
Name	SNTA1
Synonyms	SNT1
Function	Adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. May link various receptors to the actin cytoskeleton and the extracellular matrix via the dystrophin glycoprotein complex. Plays an important role in synapse formation and in the organization of UTRN and acetylcholine receptors at the neuromuscular synapse. Binds to phosphatidylinositol 4,5-bisphosphate (By similarity).
Cellular Location	Cell membrane, sarcolemma; Peripheral membrane protein; Cytoplasmic side. Cell junction. Cytoplasm, cytoskeleton. Note=In skeletal muscle, it localizes at the cytoplasmic side of the sarcolemmal membrane and at neuromuscular junctions
Tissue Location	High expression in skeletal muscle and heart. Low expression in brain,

pancreas, liver, kidney and lung. Not detected in placenta

Images



Western blot analysis of SNTA1 expression in A549 (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunofluorescent analysis of SNTA1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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