

Rabbit Syntrophin alpha 1 Polyclonal Antibody | anti-SNTA1 antibody

Syntrophin alpha 1 Rabbit pAb

CATALOG # AAA282079	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Syntrophin alpha 1; Polyclonal Antibody; Syntrophin alpha 1 Rabbit pAb; LQT12; SNT1; TACIP1; dJ1187J4.5; anti-SNTA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-SNTA1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human Syntrophin alpha 1.
Positive Samples	HeLa, RD, Mouse skeletal muscle, Mouse brain, Mouse heart, Rat skeletal muscle, Rat kidney, Rat heart
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using Syntrophin alpha 1 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



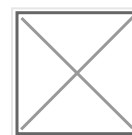
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Syntrophin alpha 1 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Syntrophin alpha 1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Syntrophin alpha 1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-SNTA1 antibody	Background: Syntrophins are cytoplasmic peripheral membrane scaffold proteins that are components of the dystrophin-associated protein complex. This gene is a member of the syntrophin gene family and encodes the most common syntrophin isoform found in cardiac tissues. The N-terminal PDZ domain of this syntrophin protein interacts with the C-terminus of the pore-forming alpha subunit (SCN5A) of the cardiac sodium channel Nav1.5. This protein also associates cardiac sodium channels with the nitric oxide synthase-PMCA4b (plasma membrane Ca-ATPase subtype 4b) complex in cardiomyocytes. This gene is a susceptibility locus for Long-QT syndrome (LQT) - an inherited disorder associated with sudden cardiac death from arrhythmia - and sudden infant death syndrome (SIDS). This protein also associates with dystrophin and dystrophin-related proteins at the neuromuscular junction and alters intracellular calcium ion levels in muscle tissue. [provided by RefSeq, Jan 2013]
Product Categories/Family for anti-SNTA1 antibody	Cell Biology & Developmental Biology; Cytoskeleton; Microfilaments

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507137
NCBI GeneID	6640
NCBI Accession #	NP_003089.1
NCBI GenBank Nucleotide #	NM_003098.2
UniProt Accession #	Q13424; Q16438; A8K7H9; B4DX40; E1P5N1
Molecular Weight	45,951 Da
NCBI Official Full Name	alpha-1-syntrophin
NCBI Official Synonym Full Names	syntrophin, alpha 1
NCBI Official Symbol	SNTA1
NCBI Official Synonym Symbols	SNT1; LQT12; TACIP1; dJ1187J4.5
NCBI Protein Information	alpha-1-syntrophin; 59 kDa dystrophin-associated protein A1 acidic component 1; acidic alpha 1 syntrophin; dystrophin-associated protein A1, 59kDa, acidic component; pro-TGF-alpha cytoplasmic domain-interacting protein 1; syntrophin, alpha 1 (dystrophin-a
UniProt Protein Name	Alpha-1-syntrophin
UniProt Gene Name	SNTA1
UniProt Synonym Gene Names	SNT1; TACIP1
UniProt Entry Name	SNTA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.