

Mouse anti-Human SNTA1 Monoclonal Antibody | anti-SNTA1 antibody

SNTA1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48121	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

SNTA1; Monoclonal Antibody; SNTA1 antibody; Syntrophin alpha 1; Syntrophin; alpha 1; dJ1187J4.5; LQT12; SNT1; TACIP1; anti-SNTA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT1E1
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	505
Applicable Applications for anti-SNTA1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human SNTA1 (1-505aa) purified from E. coli
Clone Note	Anti-human SNTA1 mAb, clone AT1E1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human SNTA1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of SNTA1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human SNTA1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HepG2 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SNTA1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-SNTA1 antibody	SNTA1 (Syntrophin alpha 1) is 505 amino acid protein. SNTA1 is adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. It may link various receptors to the actin cytoskeleton and the extracellular matrix via the dystrophin glycoprotein complex. SNTA1 plays an important role in synapse formation and in the organization of UTRN and acetylcholine receptors at the neuromuscular synapse. Defects of SNTA1 are the cause of long QT syndrome type 12 (LQT12).
Product Categories/Family for anti-SNTA1 antibody	Cytoskeleton
References	Wu, G., et al. (2008) Circ Arrhythm Electrophysiol 1: 193-201; Ahn, A.H., et al. (1996) J Biol Chem 271 (5): 2724-30 ; Yang, B., et al (1995) J Biol Chem 270 (10): 4975-8

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507137
NCBI GeneID	6640
NCBI Accession #	NP_003089
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
UniProt Protein Name	Alpha-1-syntrophin
UniProt Gene Name	SNTA1
UniProt Synonym Gene Names	SNT1; TACIP1

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.