

For Research Use Only

SNTA1 Polyclonal antibody

Catalog Number: 13131-1-AP



Basic Information

Catalog Number: 13131-1-AP	GenBank Accession Number: BC026215	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop;	GeneID (NCBI): 6640	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	Full Name: syntrophin, alpha 1 (dystrophin-associated protein A1, 59kDa, acidic component)	
Isotype: IgG	Calculated MW: 505 aa, 54 kDa	
Immunogen Catalog Number: AG3820	Observed MW: 54 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, rat heart tissue

IHC : mouse heart tissue,

Background Information

SNTA1, also known as Syntrophin 1, SNT1, is cytoplasmic peripheral membrane scaffold proteins that are components of the dystrophin-associated protein complex. SNTA1 is a signal-transducing adaptor protein and serves as a scaffold for various signaling molecules. Alpha-1 syntrophin contains a PDZ domain, two Pleckstrin homology domains, and a 'syntrophin unique' domain. SNTA1 is the high expression in skeletal muscle and heart (PMID: 8576247, 8612778,). The PDZ domain of SNTA1 has been reported to bind to the C-terminal domain of murine cardiac voltage-gated sodium channels (SkM2) causing altering ion channel activity leading to Long QT syndrome (PMID 19684871, 19862833).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

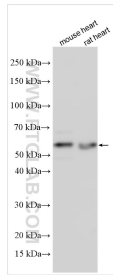
For technical support and original validation data for this product please contact:

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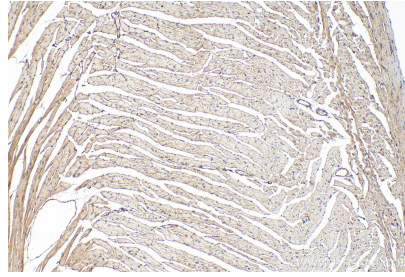
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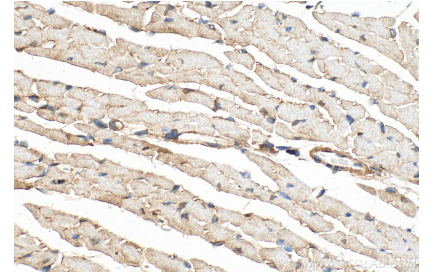
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13131-1-AP (SNTA1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13131-1-AP (SNTA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13131-1-AP (SNTA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).