

For Research Use Only

SYNPO2L Polyclonal antibody

Catalog Number: 21480-1-AP

1 Publications



Basic Information

Catalog Number: 21480-1-AP	GenBank Accession Number: BC142635	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 79933	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q9H987	IHC 1:50-1:500
Isotype: IgG	Full Name: synaptopodin 2-like	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG15683	Calculated MW: 977 aa, 102 kDa	
	Observed MW: 79 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: IF	WB : mouse testis tissue, PC-3 cells, rat testis tissue
Species Specificity: human, mouse, rat	IHC : mouse heart tissue,
Cited Species: mouse	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SYNPO2L belongs to the synaptopodin family and is an actin-associated protein that may play a role in modulating actin-based shape. SYNPO2L is involved in the positive regulation of Rho protein signal transduction and the positive regulation of stress fiber assembly. Loss-of-function variants in the SYNPO2L gene are associated with atrial fibrillation (PMID: 33768119).

Notable Publications

Author	Pubmed ID	Journal	Application
Hiroshi Yamada	39195263	Cells	IF

Storage

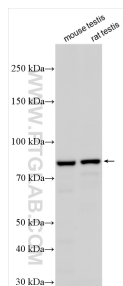
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

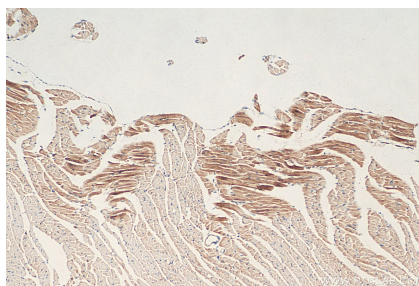
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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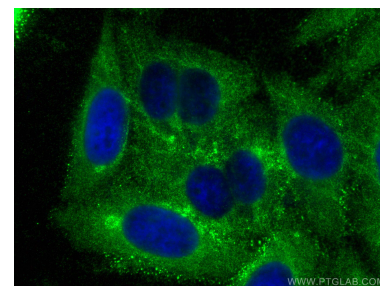
Selected Validation Data



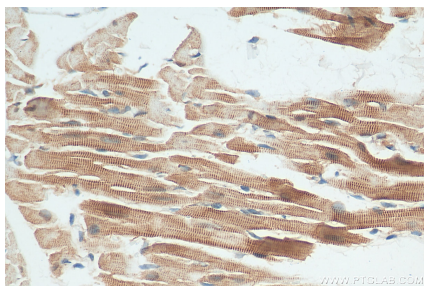
Various lysates were subjected to SDS PAGE followed by western blot with 21480-1-AP (SYNPO2L antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21480-1-AP (SYNPO2L antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SYNPO2L antibody (21480-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 21480-1-AP (SYNPO2L antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).