

For Research Use Only

# SLN Polyclonal antibody

Catalog Number: 18395-1-AP **11 Publications**



## Basic Information

|                                      |                                       |   |
|--------------------------------------|---------------------------------------|---|
| Catalog Number:<br>18395-1-AP        | GenBank Accession Number:<br>BC005261 | Purification Method:<br>Antigen affinity purification |
| Size:<br>650 µg/ml                   | GeneID (NCBI):<br>6588                | Recommended Dilutions:<br>IHC 1:50-1:500              |
| Source:<br>Rabbit                    | UNIPROT ID:<br>O00631                 | IF/ICC 1:20-1:200                                     |
| Isotype:<br>IgG                      | Full Name:<br>sarcolipin              |   |
| Immunogen Catalog Number:<br>AG13176 | Calculated MW:<br>31 aa, 4 kDa        |   |

## Applications

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

## Background Information

SLN, also named as Sarcolipin, belongs to the sarcolipin family. It is associated with calcium ATPase SERCA1. It inhibits SERCA pumps. SLN, a key regulator of cardiac sarco(endo)plasmic reticulum (SR) Ca(2+) ATPase, is predominantly expressed in atria and mediates  $\beta$ -adrenergic responses. SLN can self-assembly to dimer and oligomer for playing important physiological function.

## Notable Publications

| Author            | Pubmed ID | Journal       | Application |
|-------------------|-----------|---------------|-------------|
| Patrick F Desmond | 26405035  | J Biol Chem   | WB          |
| Zhe Wang          | 33192559  | Front Physiol | WB,IF       |
| Patrick F Desmond | 28487373  | J Biol Chem   |             |

## 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

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

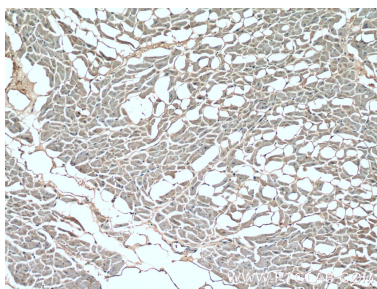
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

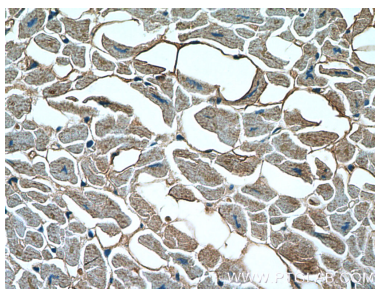
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

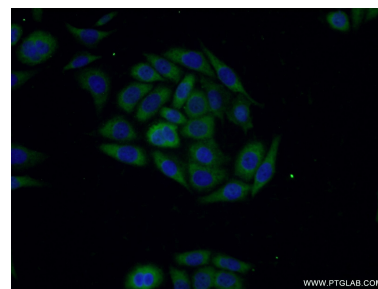
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 18395-1-AP (SLN Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 18395-1-AP (SLN Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of PC-3 cells using 18395-1-AP (SLN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).