

For Research Use Only

# SLMAP Polyclonal antibody

Catalog Number: 25220-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 25220-1-AP	<b>GenBank Accession Number:</b> BC115701	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7871	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14BN4	
<b>Isotype:</b> IgG	<b>Full Name:</b> sarcolemma associated protein	
<b>Immunogen Catalog Number:</b> AG18162	<b>Calculated MW:</b> 828 aa, 95 kDa	
	<b>Observed MW:</b> 35 kDa, 45 kDa, 63-66 kDa, 83-91 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, A431 cells, mouse skeletal muscle tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human	

## Background Information

Sarcolemmal membrane associated protein (SLMAP) is a tail-anchored membrane protein involved in the docking and membrane fusion process via protein-protein interactions. Deregulation of SLMAP expression plays an important role in type 2 diabetes, and changes in SLMAP expression are linked to hyperglycemia and diabetes. SLMAPs are components of cardiac membranes and have been identified as a novel regulator of cardiac function. There are several isoforms of SLMAPs with varying molecular size (35, 45, 63, and 83-91 kDa) as a result of alternative splicing. The short 35-kDa isoform is predominantly expressed in cardiac and slow-twitch skeletal muscle, while the 83- to 91-kDa isoform is ubiquitous. This antibody recognizes all of these isoforms in mouse heart lysate. (21785580, 22180652)

## Notable Publications

Author	Pubmed ID	Journal	Application
Masayoshi Hasegawa	35916358	Thorac Cancer	WB

## Storage

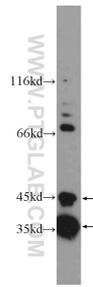
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.com

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

## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 25220-1-AP (SLMAP Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.