

For Research Use Only

# Alpha Sarcoglycan Monoclonal antibody

Catalog Number: 67078-1-Ig



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
67078-1-Ig	BC025702	Protein A purification
Size:	GenelD (NCBI):	CloneNo.:
150ul , Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	6442 UNIPROT ID: Q16586	2B10H7
Source:	Full Name:	Recommended Dilutions:
Mouse	sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein)	WB 1:2000-1:10000 IHC 1:500-1:2000 IF-P 1:200-1:800
Isotype:	Calculated MW:	
IgG2a	387 aa, 43 kDa	
Immunogen Catalog Number:	Observed MW:	
AG28800	50 kDa	

## Applications

Tested Applications:	Positive Controls:
WB, IHC, IF-P, ELISA	WB: human skeletal muscle tissue, human heart tissue, pig heart tissue, rat skeletal muscle tissue, pig skeletal muscle tissue, rat heart tissue, mouse skeletal muscle tissue
Species Specificity:	IHC: mouse skeletal muscle tissue, human liver tissue, mouse heart tissue, mouse tongue tissue, rat heart tissue, rat skeletal muscle tissue
human, mouse, rat, pig	IF-P: mouse heart tissue, mouse skeletal muscle tissue
<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

Alpha-sarcoglycan is a member of the sarcoglycan-sarcospan complex (SG-SSPN), which is constituted by α/ε-, β-, γ-, and δ-SGs as well as SSPN. Alpha-sarcoglycan gene expression is exclusive of striated muscle and is finely regulated during myogenic differentiation, where the amount of alpha-sarcoglycan transcript is selectively increased after differentiation to myotubes (MTs). Alpha sarcoglycan's disruption causes limb-girdle muscular dystrophy.

## 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

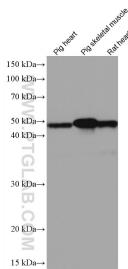
**\*\*\* 20ul sizes contain 0.1% BSA**

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)

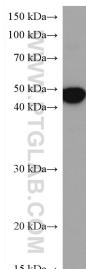
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67078-1-Ig (Alpha sarcoglycan antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 67078-1-Ig (Alpha sarcoglycan antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

