

For Research Use Only

# SIRP Alpha/CD172a Monoclonal antibody

Catalog Number: 67337-1-Ig



## Basic Information

Catalog Number: 67337-1-Ig	GenBank Accession Number: BC033092	Purification Method: Protein A purification
Size: 1600 ug/ml	GeneID (NCBI): 140885	CloneNo.: 2F8H3
Source: Mouse	UNIPROT ID: P78324	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:2000-1:8000
Isotype: IgG2b	Full Name: signal-regulatory protein alpha	
Immunogen Catalog Number: AG6361	Calculated MW: 55 kDa Observed MW: 75-85 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig, rabbit	WB : pig brain tissue, U-251 cells, SW480 cells, HL-60 cells, THP-1 cells, rat brain tissue, mouse brain tissue, rabbit brain 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>	IHC : rat cerebellum tissue, human liver tissue, rat brain tissue

## Background Information

SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells (PMID: 36419386). SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation (PMID: 18051954). This antibody detects a 75-85 kDa band.

## 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:

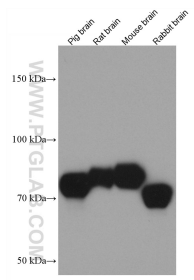
T: 4006900926

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

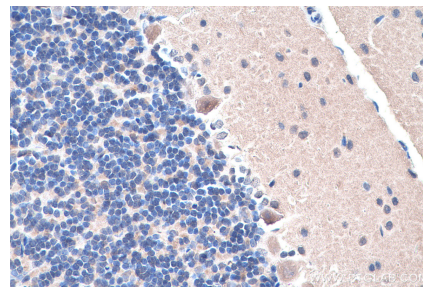
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67337-1-Ig (SIRP Alpha/CD172a antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 67337-1-Ig (SIRP Alpha antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).