

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: 150ul, Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	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

Species Specificity:

human, mouse, rat, pig, rabbit

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig brain tissue, U-251 cells, SW480 cells, HL-60 cells, THP-1 cells, rat brain tissue, mouse brain tissue, rabbit brain tissue

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

*** 20ul sizes contain 0.1% BSA

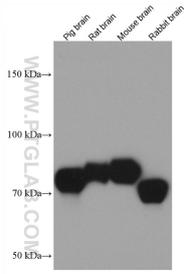
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

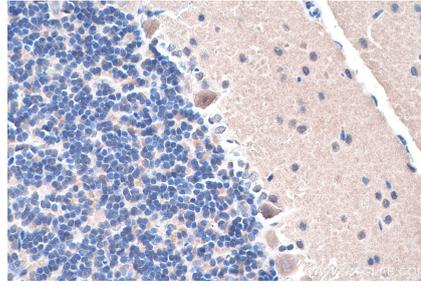
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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).