

For Research Use Only

SIRP Alpha/CD172a Recombinant antibody

Catalog Number: 84430-2-RR



Basic Information

| | | |
|--------------------------------------|--|--|
| Catalog Number: 84430-2-RR | GenBank Accession Number: NM_007547.4 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 19261 | CloneNo.: 241794D9 |
| Source: Rabbit | UNIPROT ID: P97797-2 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800 |
| Isotype: IgG | Full Name: signal-regulatory protein alpha | |
| | Calculated MW: 56 kDa | |
| | Observed MW: 90-140 kDa | |

Applications

| | |
|---|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: mouse | WB : mouse brain tissue, RAW 264.7 cells |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : mouse brain tissue, |
| | IF/ICC : RAW 264.7 cells, |

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).

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:

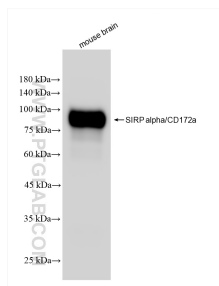
T: 4006900926

E: Proteintech-CN@ptglab.com

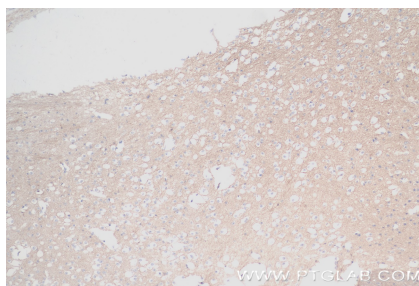
W: ptgcn.com

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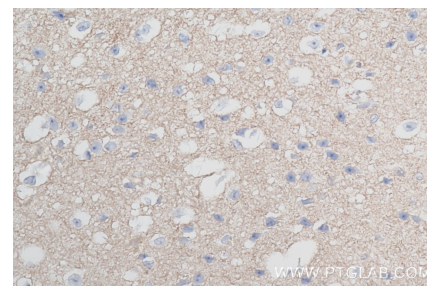
Selected Validation Data



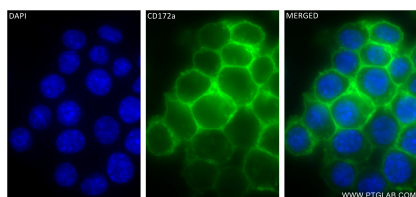
Various lysates were subjected to SDS PAGE followed by western blot with 84430-2-RR (SIRP alpha/CD172a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84430-2-RR (SIRP Alpha/CD172a antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84430-2-RR (SIRP Alpha/CD172a antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using SIRP alpha/CD172a antibody (84430-2-RR, Clone: 241794D9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).