

For Research Use Only

# SORCS1 Polyclonal antibody

Catalog Number: 18839-1-AP



## Basic Information

**Catalog Number:**

18839-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC131597

**GeneID (NCBI):**

114815

**UNIPROT ID:**

Q8WY21

**Full Name:**

sortilin-related VPS10 domain containing receptor 1

**Calculated MW:**

1168 aa, 130 kDa

**Observed MW:**

130 kDa, 60-80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

FC, WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : Y79 cells, HEK-293 cells, mouse brain tissue

## Background Information

SorCS1 is a 130 kDa type I transmembrane protein, belonging to Vps10p-domain (Vps10p-D) receptor family that comprises an N-terminal Vps10p-D, a leucine-rich domain, a single transmembrane domain, and a short cytoplasmic domain. SorCS1 is synthesized as a proprotein, which is converted to the mature receptor in late Golgi compartments by cleavage of the N-terminal propeptide. Alternative splicing of human SorCS1 results in four isoforms with different cytoplasmic domains and differential expression in tissues. This antibody was generated against the C-terminal region of human SorCS1 and recognizes various forms of SorCS1. Multiple bands around 100-130 kDa as well as 60-80 kDa have been detected in Y79 cells by western blot assay.

## 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:

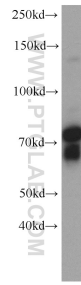
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E: Proteintech-CN@ptglab.com

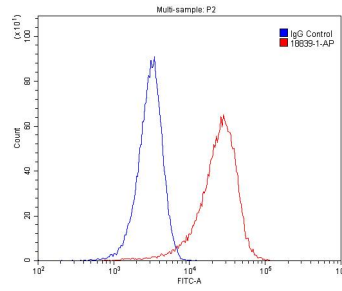
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## Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 18839-1-AP (SORCS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HeLa cells were stained with 0.2ug SORCS1 antibody (18839-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.