

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:

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:

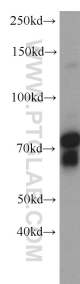
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.