

SORCS1 Polyclonal antibody

Catalog Number: 23002-1-AP

1 Publications

Basic Information

Catalog Number: 23002-1-AP	GenBank Accession Number: BC131597	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 114815	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:20-1:200
Source: Rabbit	Full Name: sortilin-related VPS10 domain containing receptor 1	
Isotype: IgG	Calculated MW: 1168 aa, 130 kDa	
Immunogen Catalog Number: AG19199	Observed MW: 60-80 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HEK-293 cells, mouse kidney tissue, human brain tissue, Y79 cells
Species Specificity: human, mouse	IHC : human brain tissue,
Cited Species: human	

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

Background Information

SORCS1, also named as SorCS, belongs to the family of VPS10 domain-containing receptors. SorCS1 immunoreactivity is widespread in a population of neurons throughout the brain. Two different types of cellular localization were observed. Most SorCS1 immunoreactive neurons exhibit a punctate cytoplasmic staining which extends into the dendrites, whilst occasionally SorCS1 neuronal immunoreactivity is associated with the plasma membrane.

Notable Publications

Author	Pubmed ID	Journal	Application
Junfen Xu	34326275	Aging (Albany NY)	WB

Storage

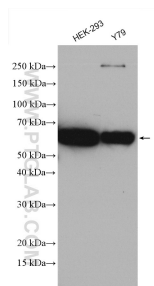
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

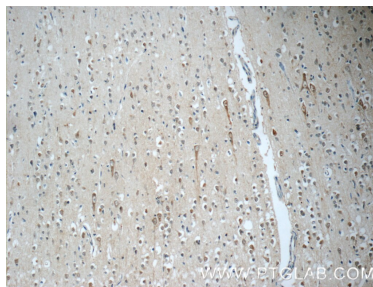
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

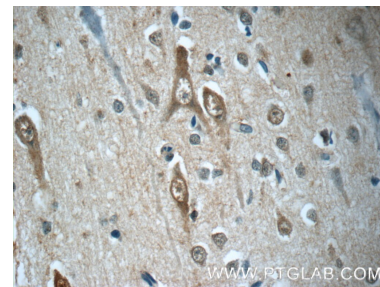
Selected Validation Data



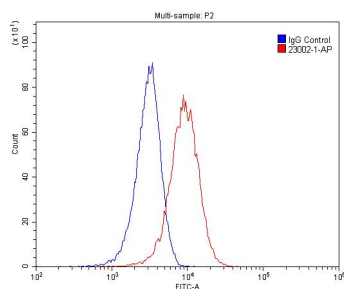
Various lysates were subjected to SDS PAGE followed by western blot with 23002-1-AP (SORCS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 23002-1-AP (SORCS1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 23002-1-AP (SORCS1 Antibody) at dilution of 1:50 (under 40x lens).



1X10⁶ HeLa cells were stained with 0.2ug SORCS1 antibody (23002-1-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.