

For Research Use Only

Sortilin Monoclonal antibody

Catalog Number: 68007-1-Ig



Basic Information

| | | |
|---|--|---|
| Catalog Number: 68007-1-Ig | GenBank Accession Number: BC023542 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 6272 | CloneNo.: 2B11B9 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000134243 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF-P 1:200-1:800 IF/ICC 1:200-1:800 |
| Isotype: IgG2a | UNIPROT ID: Q99523 | |
| Immunogen Catalog Number: AG28043 | Full Name: sortilin 1 | |
| | Calculated MW: 831 aa, 92 kDa | |
| | Observed MW: 95-100 kDa | |

Applications

Tested Applications:
IF/ICC, IF-P, IHC, WB, ELISA

Species Specificity:
Human, Mouse, Rat, Pig

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: ROS1728 cells, SK-N-SH cells, SH-SY5Y cells, pig brain tissue, rabbit brain, rat brain tissue, mouse brain tissue

IHC: mouse brain tissue, human lung cancer tissue

IF-P: mouse brain tissue,

IF/ICC: mouse brain tissue, SH-SY5Y cells

Background Information

Sortilin 1 (SORT1), is a trans-Golgi network (TGN) transmembrane protein and is a member of the Vps10p domain receptor family. SORT1 binds a number of unrelated ligands that participate in a wide range of cellular processes. It functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface.

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:

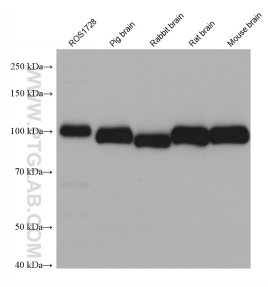
T: 4006900926

E: Proteintech-CN@ptglab.com

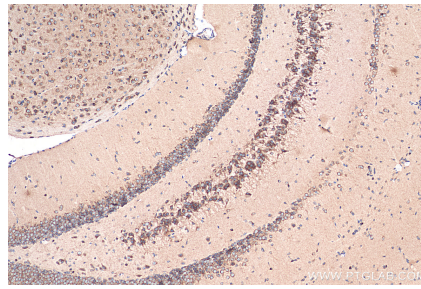
W: ptgcn.com

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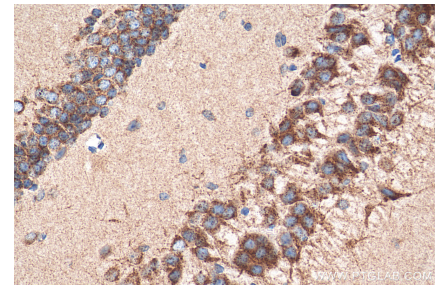
Selected Validation Data



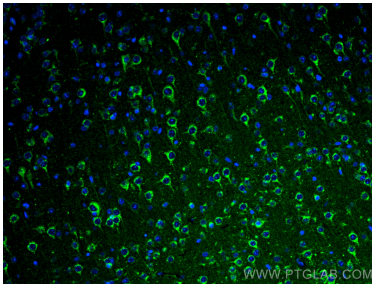
Various lysates were subjected to SDS PAGE followed by western blot with 68007-1-Ig (Sortilin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Sortilin antibody (68007-1-Ig, Clone: 2B11B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).