

# Sortilin Monoclonal antibody

Catalog Number: 68007-1-Ig

## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat, pig	<b>WB :</b> ROS1728 cells, SK-N-SH cells, SH-SY5Y cells, pig brain tissue, rabbit brain, rat brain tissue, mouse brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, human lung cancer tissue
	<b>IF-P :</b> mouse brain tissue,
	<b>IF/ICC :</b> SH-SY5Y cells, HeLa 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:

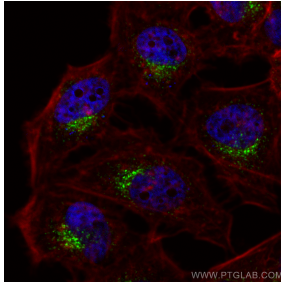
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

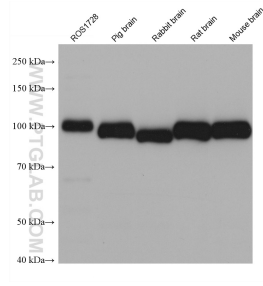
W: [ptgcn.com](http://ptgcn.com)

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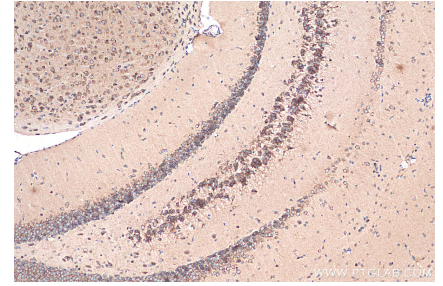
## Selected Validation Data



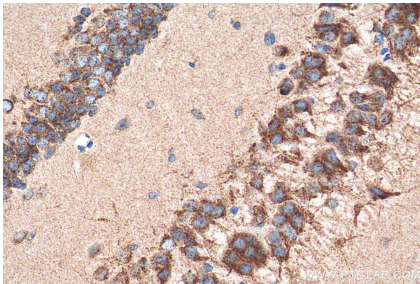
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Sortilin antibody (68007-1-Ig, Clone: 2B11B9 ) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



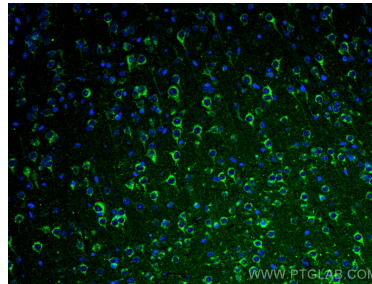
Various lysates were subjected to SDS PAGE followed by western blot with 68007-1-Ig (Sortilin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



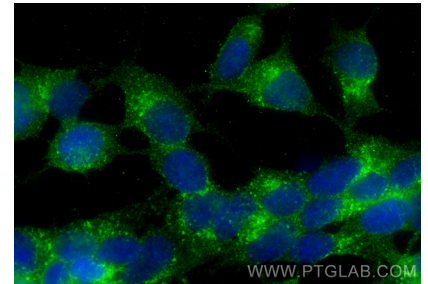
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



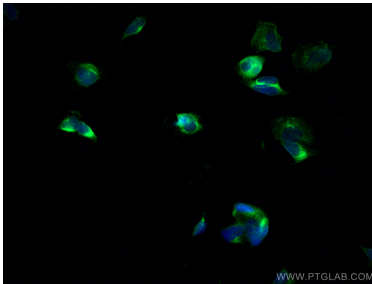
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using Sortilin antibody (68007-1-Ig, Clone: 2B11B9 ) at dilution of 1:800 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using Sortilin antibody (68007-1-Ig, Clone: 2B11B9 ) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).