

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: 150ul , Concentration: 1000 ug/ml by Nanodrop;	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: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : ROS1728 cells, SK-N-SH cells, SH-SY5Y cells, pig brain tissue, rabbit brain, rat brain tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue, human lung cancer tissue
	IF-P : mouse brain tissue,
	IF/ICC : 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

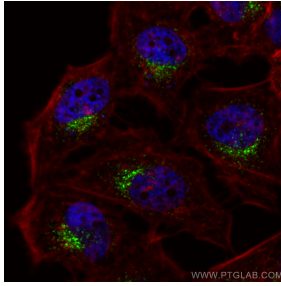
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

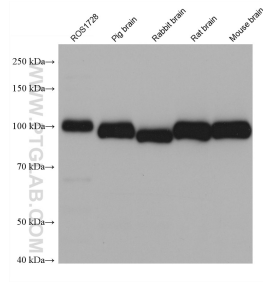
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

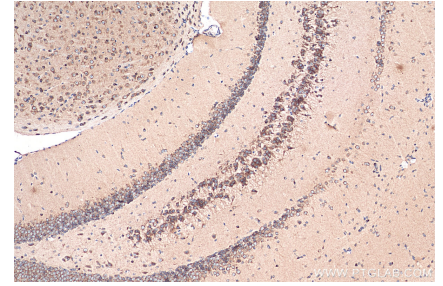
Selected Validation Data



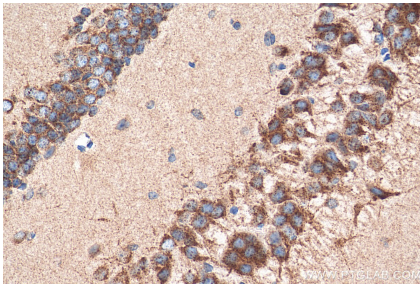
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Sortilin antibody (68007-1-Ig, Clone: 2B11B9) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



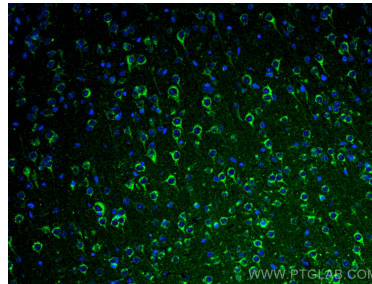
Various lysates were subjected to SDS PAGE followed by western blot with 68007-1-Ig (Sortilin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



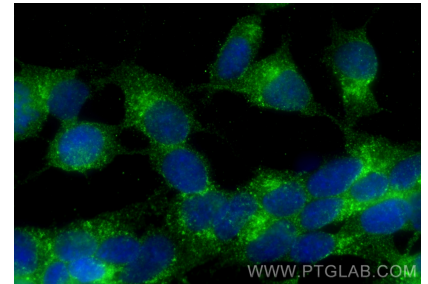
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



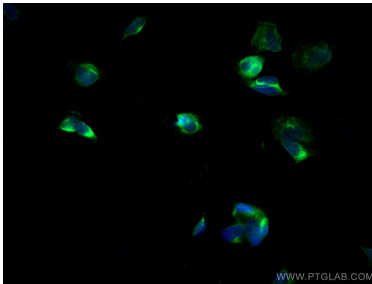
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68007-1-Ig (Sortilin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).