

For Research Use Only

Intersectin 1 Polyclonal antibody

Catalog Number: 21862-1-AP

1 Publications



Basic Information

Catalog Number: 21862-1-AP	GenBank Accession Number: BC116186	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6453	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q15811	
Isotype: IgG	Full Name: intersectin 1 (SH3 domain protein)	
Immunogen Catalog Number: AG16517	Calculated MW: 1721 aa, 195 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : fetal human brain tissue, IHC : human stomach tissue, human intrahepatic cholangiocarcinoma tissue
Cited Applications: WB	
Species Specificity: human	
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

Intersectin 1 (ITSN1) is a multidomain adaptor protein that plays a crucial role in various cellular processes, particularly in the nervous system. It is involved in clathrin-mediated endocytosis, signal transduction, and the regulation of the actin cytoskeleton. The protein is highly abundant in neurons and has been implicated in neurodevelopmental disorders, such as autism spectrum disorders, intellectual disability, and epilepsy. Recent studies have identified de novo variants in the ITSN1 gene in patients with these disorders, suggesting a link between ITSN1 and brain development.

Notable Publications

Author	Pubmed ID	Journal	Application
Rui Wei	33014778	Front Oncol	WB

Storage

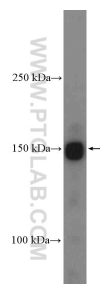
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

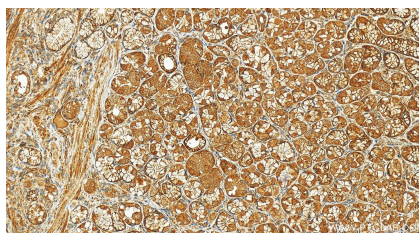
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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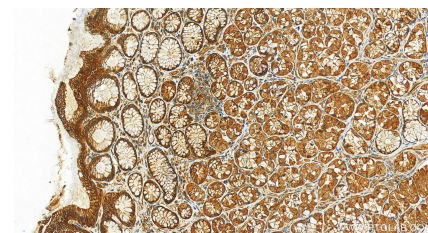
Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 21862-1-AP (Intersectin 1 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 21862-1-AP (Intersectin 1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 21862-1-AP (Intersectin 1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).