

For Research Use Only

# Intersectin 1 Polyclonal antibody, PBS Only

Catalog Number: 21862-1-PBS



## Basic Information

<b>Catalog Number:</b> 21862-1-PBS	<b>GenBank Accession Number:</b> BC116186	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 6453	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15811	
<b>Isotype:</b> IgG	<b>Full Name:</b> intersectin 1 (SH3 domain protein)	
<b>Immunogen Catalog Number:</b> AG16517	<b>Calculated MW:</b> 1721 aa, 195 kDa	
	<b>Observed MW:</b> 150 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

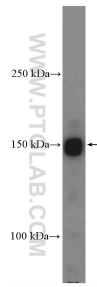
T: 4006900926

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

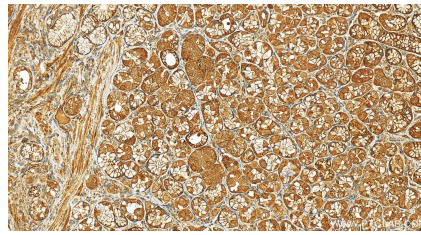
W: [ptgcn.com](http://ptgcn.com)

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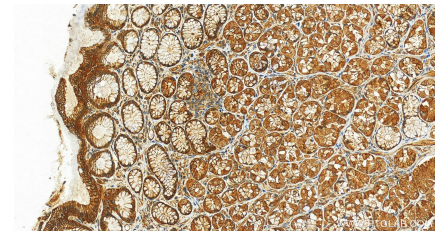
## Selected Validation Data



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. This data was developed using the same antibody clone with 21862-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21862-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21862-1-PBS in a different storage buffer formulation.