

# Synaptotagmin-13 Polyclonal antibody

Catalog Number: 18115-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 18115-1-AP	<b>GenBank Accession Number:</b> BC093830	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57586	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7L8C5	
<b>Isotype:</b> IgG	<b>Full Name:</b> synaptotagmin XIII	
<b>Immunogen Catalog Number:</b> AG12599	<b>Calculated MW:</b> 426 aa, 47 kDa	
	<b>Observed MW:</b> 47 kDa, 66 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HepG2 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human stomach cancer tissue,
<b>Cited Species:</b> human	
<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>	

## Background Information

Synaptotagmin-13 is a member of the synaptotagmin family of proteins which are known as membrane trafficking proteins. Synaptotagmin-13 is composed of the canonical domains of synaptotagmins that include an N-terminal transmembrane region, two C-terminal cytoplasmic C2-domains, and a connecting sequence between the transmembrane region and the C2-domains (PMID: 11211934). Synaptotagmin-13 is highly expressed in brain and may be involved in transport vesicle docking to the plasma membrane.

## Notable Publications

Author	Pubmed ID	Journal	Application
Federica Rizzo	30649277	Brain	WB

## Storage

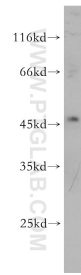
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

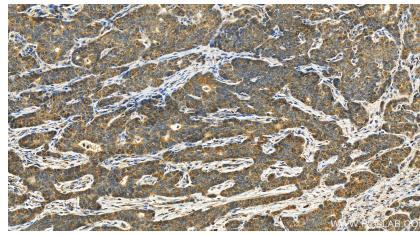
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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 18115-1-AP (Synaptotagmin-13 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 18115-1-AP (Synaptotagmin-13 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).