

For Research Use Only

CLSTN2 Polyclonal antibody

Catalog Number: 21436-1-AP

1 Publications



Basic Information

Catalog Number: 21436-1-AP	GenBank Accession Number: BC104485	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 64084	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H4D0	
Isotype: IgG	Full Name: calsyntenin 2	
Immunogen Catalog Number: AG16048	Calculated MW: 955 aa, 107 kDa	
	Observed MW: 100-107 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : SH-SY5Y cells, IHC : mouse brain tissue,
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
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

CLSTN2 gene encodes the synaptic protein calsyntenin 2, one of the three calsyntenin family members found in humans. CLSTN2 is expressed exclusively in the brain, with high levels occurring in cortical gamma-aminobutyric acid (GABA) interneurons and in medial temporal lobe regions (PMID: 19058786). Western blot analysis detected CLSTN2 at an apparent molecular mass of 107 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuyang Zhang	39763034	Clin Transl Med	IHC

Storage

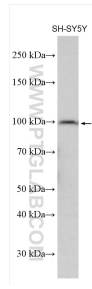
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

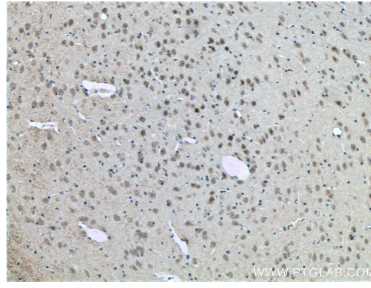
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21436-1-AP (CLSTN2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21436-1-AP (CLSTN2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).