

For Research Use Only

CLSTN2 Polyclonal antibody

Catalog Number: 21436-1-AP

1 Publications



Basic Information

Catalog Number:

21436-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16048

GenBank Accession Number:

BC104485

GeneID (NCBI):

64084

UNIPROT ID:

Q9H4D0

Full Name:

calsyntenin 2

Calculated MW:

955 aa, 107 kDa

Observed MW:

100-107 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

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

Positive Controls:

WB : SH-SY5Y cells,

IHC : mouse brain tissue,

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

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

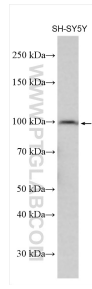
T: 4006900926

E: Proteintech-CN@ptglab.com

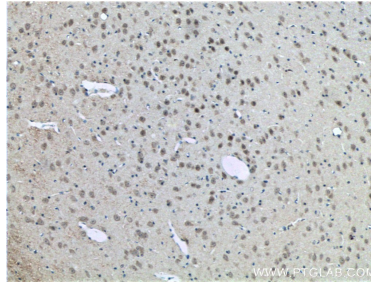
W: ptgcn.com

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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).