

For Research Use Only

EXTL2 Polyclonal antibody

Catalog Number:12828-1-AP



Basic Information

Catalog Number: 12828-1-AP	GenBank Accession Number: BC036015	Purification Method: Antigen affinity purification
Concentration: 400 ug/ml	GeneID (NCBI): 2135	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9UBQ6	
Isotype: IgG	Full Name: exostoses (multiple)-like 2	
Immunogen Catalog Number: AG3548	Calculated MW: 330 aa, 37 kDa	
	Observed MW: 37-43 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

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 : HEK-293 cells, HeLa cells

IHC : mouse brain tissue, rat brain tissue

IF/ICC : SH-SY5Y cells, HeLa cells

Background Information

Exostosin-like 2 (EXTL2) is one of three EXT-like genes in the human genome that are homologous to EXT1 and EXT2, encodes a transferase that adds not only GlcNAc but also N-acetylgalactosamine to the glycosaminoglycan (GAG)-protein linkage region via an α 1,4-linkage. Loss of the enzyme EXTL2, a regulatory mechanism serving to limit CSPG synthesis, resulted in more extensive versican deposition into a lysolecithin-induced demyelinated injury, a larger area of myelin disruption with an associated decrease in axonal density within the lesion, and greater accumulation of macrophages and microglia (PMID: 32703234, 23395820)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

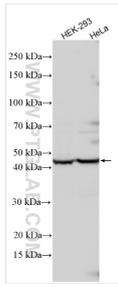
T: 4006900926

E: Proteintech-CN@ptglab.com

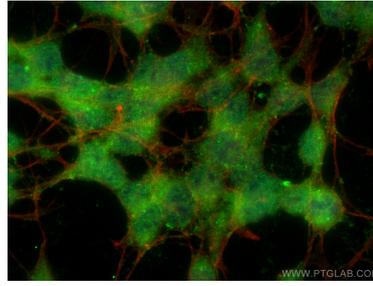
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

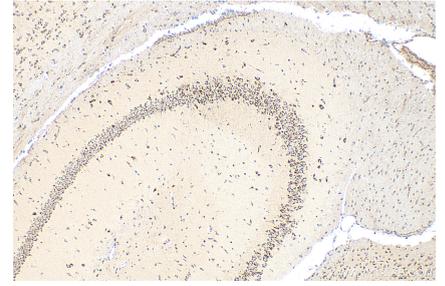
Selected Validation Data



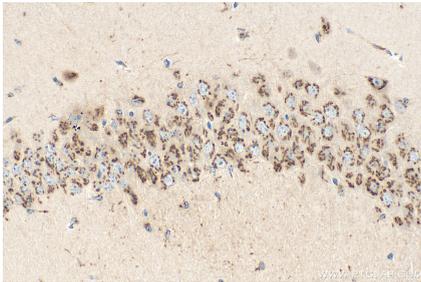
Various lysates were subjected to SDS PAGE followed by western blot with 12828-1-AP (EXTL2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



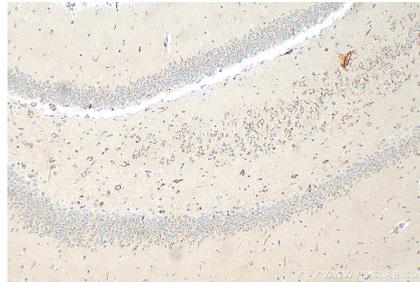
Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using EXTL2 antibody (12828-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12828-1-AP (EXTL2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12828-1-AP (EXTL2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12828-1-AP (EXTL2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).