

For Research Use Only

EXTL2 Polyclonal antibody

Catalog Number: 12828-1-AP



Basic Information

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| Catalog Number: 12828-1-AP | GenBank Accession Number: BC036015 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop; | GeneID (NCBI): 2135 | Recommended Dilutions: WB 1:500-1:2000 IF 1:200-1:800 |
| Source: Rabbit | Full Name: exostoses (multiple)-like 2 | |
| Isotype: IgG | Calculated MW: 330 aa, 37 kDa | |
| Immunogen Catalog Number: AG3548 | Observed MW: 37-43 kDa | |

Applications

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| Tested Applications: IF, WB, ELISA | Positive Controls: WB : HEK-293 cells, HeLa cells IF : SH-SY5Y cells, HeLa cells |
| Species Specificity: human, mouse, rat | |

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

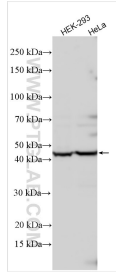
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

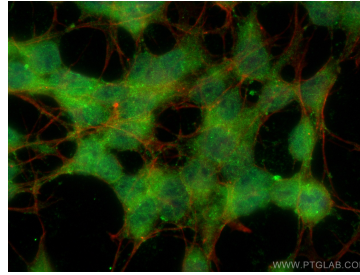
E: proteintech@ptglab.com
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Selected Validation Data



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).