

For Research Use Only

ELAVL4 Monoclonal antibody, PBS Only

Catalog Number: 67835-1-PBS



Basic Information

Catalog Number: 67835-1-PBS	GenBank Accession Number: BC036071	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 1996	CloneNo.: 1B1F5
Source: Mouse	UNIPROT ID: P26378	
Isotype: IgG2b	Full Name: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	
Immunogen Catalog Number: AG3678	Calculated MW: 380 aa, 42 kDa	
	Observed MW: 32-40 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

Background Information

ELAVL4, also named as HuD, is a 380 amino acid protein. The full name is neuronal embryonic lethal altered visual system-like (ELAVL) RNA-binding protein. ELAVL4 is expressed in brain and localized in the nucleus. PC12 cells expressing T7±HuD were treated with thio-specific (BMH) or amine-specific (DSS) chemical crosslinking reagents, and the resultant crosslinked complexes in the cell extracts were analyzed by immunoblotting with anti-T7 antibody. In addition to the monomeric HuD of 41 kDa, three specific crosslinked complexes could be detected using either of the crosslinkers. Two of the complexes had molecular masses of ~80 and 120 kDa, and were likely to be the dimer and trimer of HuD, respectively. (PMID: 12384599)

Storage

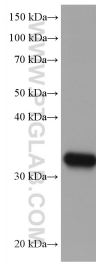
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

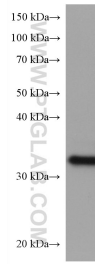
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

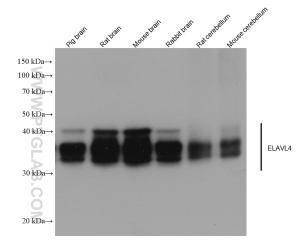
Selected Validation Data



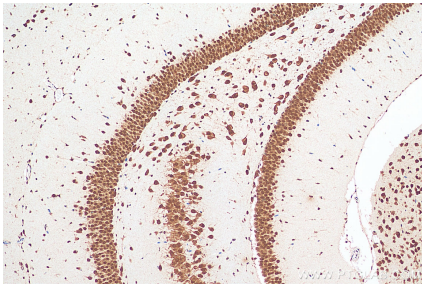
U2OS cells were subjected to SDS PAGE followed by western blot with 67835-1-Ig (ELAVL4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



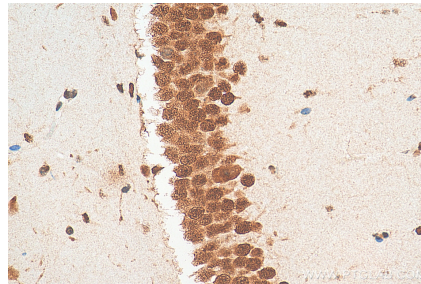
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 67835-1-Ig (ELAVL4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



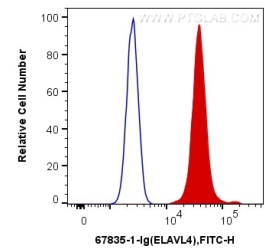
Various lysates were subjected to SDS PAGE followed by western blot with 67835-1-Ig (ELAVL4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



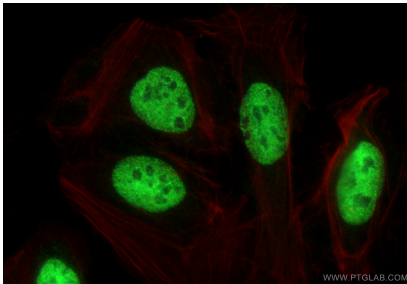
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67835-1-Ig (ELAVL4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67835-1-Ig (ELAVL4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



1×10^6 U2OS cells were intracellularly stained with 0.4 μ g Anti-Human ELAVL4 (67835-1-Ig, Clone:1B1F5) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ELAVL4 antibody (67835-1-Ig, Clone: 1B1F5) at dilution of 1:800 and Multi-rAb CoraLite[®] Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CLS94-Phalloidin (red). This data was developed using the same antibody clone with 67835-1-PBS in a different storage buffer formulation.