

For Research Use Only

CoraLite® Plus 488-conjugated ELAVL4 Monoclonal antibody

Catalog Number: CL488-67835



Basic Information

Catalog Number: CL488-67835	GenBank Accession Number: BC036071	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1996	CloneNo.: 1B1F5
Source: Mouse	UNIPROT ID: P26378	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG3678	Calculated MW: 380 aa, 42 kDa	
	Observed MW: 32-40 kDa	

Applications

Tested Applications: IF/ICC, IF-P, FC (Intra)	Positive Controls:
Species Specificity: human, mouse, rat, pig, rabbit	IF-P : mouse brain tissue, IF/ICC : U2OS cells,

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)

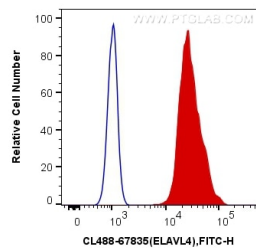
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

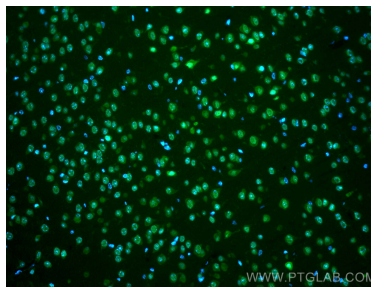
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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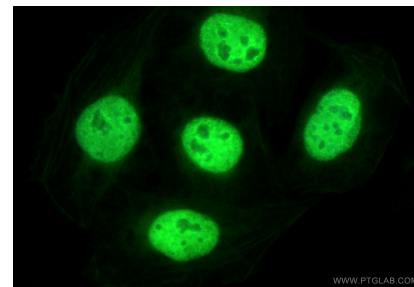
Selected Validation Data



1×10^6 U2OS cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human ELAVL4 (CL488-67835, Clone:1B1F5) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 ELAVL4 antibody (CL488-67835, Clone: 1B1F5) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 ELAVL4 antibody (CL488-67835, Clone: 1B1F5) at dilution of 1:200.