

For Research Use Only

CoraLite® Plus 488-conjugated ELAVL4 Monoclonal antibody

Catalog Number: CL488-67835



Basic Information

Catalog Number:

CL488-67835

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG3678

GenBank Accession Number:

BC036071

GeneID (NCBI):

1996

UNIPROT ID:

P26378

Full Name:

ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)

Calculated MW:

380 aa, 42 kDa

Observed MW:

32-40 kDa

Purification Method:

Protein A purification

CloneNo.:

1B1F5

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

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:

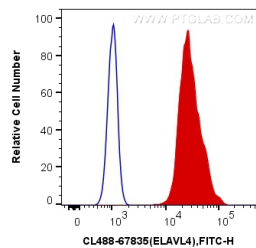
T: 4006900926

E: Proteintech-CN@ptglab.com

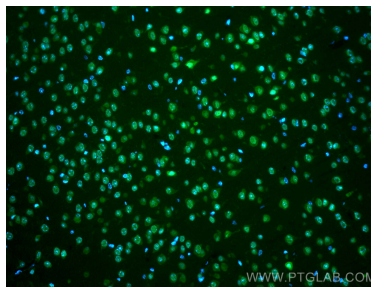
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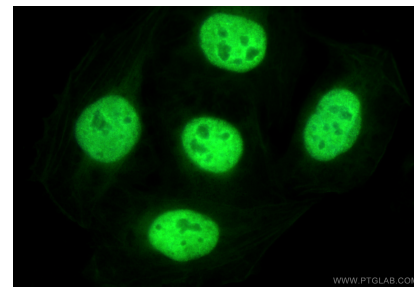
Selected Validation Data



1X10⁶ U2OS cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ELAVL4 (CL488-67835, Clone:1B1F5) (red), or 0.4 ug 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.