

For Research Use Only

CoraLite® Plus 488-conjugated HuD-specific Polyclonal antibody



Catalog Number: CL488-24992

Basic Information

Catalog Number: CL488-24992	GenBank Accession Number: BC036071	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1996	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P26378	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	
Immunogen Catalog Number: AG21830	Calculated MW: 380 aa, 42 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : PC-12 cells,
Species Specificity: human, mouse, rat	

Background Information

ELAVL4, also named as HuD, is a 380 amino acid protein, which belongs to the RRM elav family. ELAVL4 is expressed in brain and localizes in the nucleus. ELAVL4 may play a role in neuron-specific RNA processing and protects CDKN1A mRNA from decay by binding to its 3'-UTR. 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:

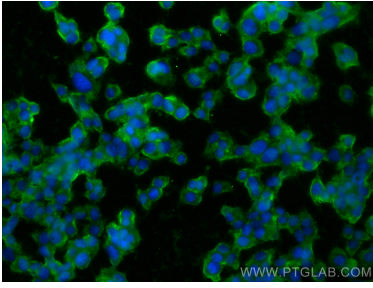
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using CoraLite® Plus 488 HuD-specific antibody (CL488-24992) at dilution of 1:200.