

For Research Use Only

# CoraLite® Plus 488-conjugated HuD-specific Polyclonal antibody

Catalog Number: CL488-24992



## Basic Information

<b>Catalog Number:</b> CL488-24992	<b>GenBank Accession Number:</b> BC036071	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1996	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26378	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	
<b>Immunogen Catalog Number:</b> AG21830	<b>Calculated MW:</b> 380 aa, 42 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : PC-12 cells,
<b>Species Specificity:</b> 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)

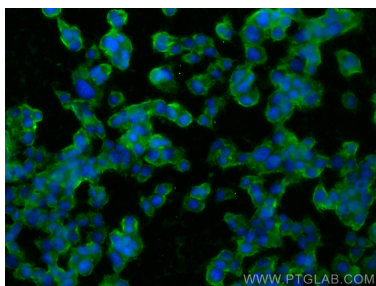
## Storage

**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.