

For Research Use Only

# HuD-specific Polyclonal antibody

Catalog Number: 24992-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 24992-1-AP	<b>GenBank Accession Number:</b> BC036071	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1996	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	<b>IHC 1:50-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 380 aa, 42 kDa	
<b>Immunogen Catalog Number:</b> AG21830	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, RIP, WB	<b>WB :</b> mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> mouse brain tissue,
<b>Cited Species:</b> human	<b>IHC :</b> human brain tissue,
	<b>IF :</b> SH-SY5Y cells, mouse brain tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ELAVL4, also named as HuD, is a 380 amino acid protein, which belongs to the RRM elav family. 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Sandra Diaz-Garcia	34618203	Acta Neuropathol	IF
Robert J van der Linden	35843356	Prog Neurobiol	WB
Shuxin Li	37676718	FASEB J	WB, RIP

## Storage

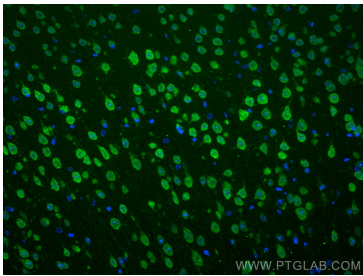
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

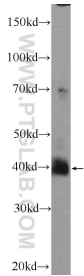
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

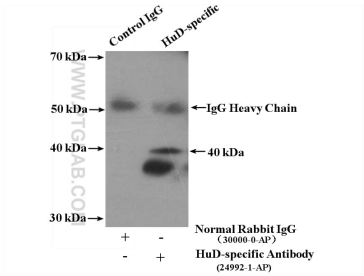
Selected Validation Data



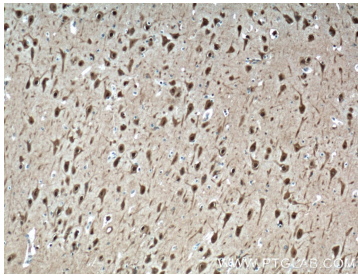
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using HuD-specific antibody (24992-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



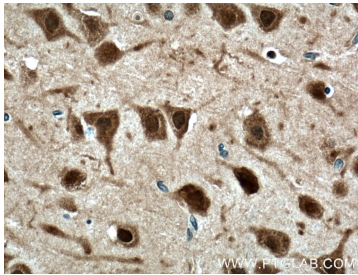
mouse brain tissue were subjected to SDS PAGE followed by western blot with 24992-1-AP (HuD-specific antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



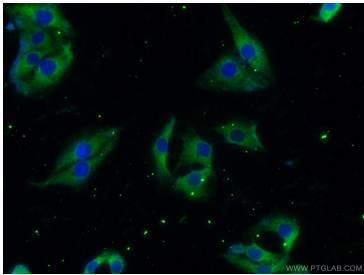
IP Result of anti-HuD-specific (IP:24992-1-AP, 4ug; Detection:24992-1-AP 1:300) with mouse brain tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24992-1-AP (HuD-specific antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24992-1-AP (HuD-specific antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of SH-SY5Y cells using 24992-1-AP (HuD-specific antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).