

For Research Use Only

# HuD-specific Polyclonal antibody

Catalog Number: 24992-1-AP

3 Publications



## Basic Information

### Catalog Number:

24992-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG21830

### 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:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

### Cited Applications:

WB, RIP, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human brain tissue,

IF-P : mouse brain tissue,

IF/ICC : PC-12 cells,

**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

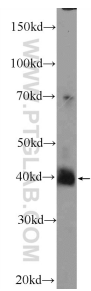
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

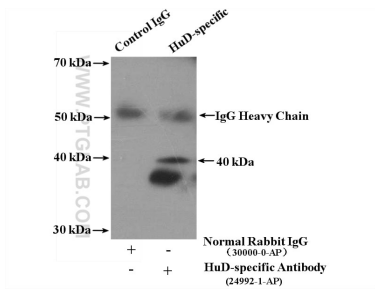
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

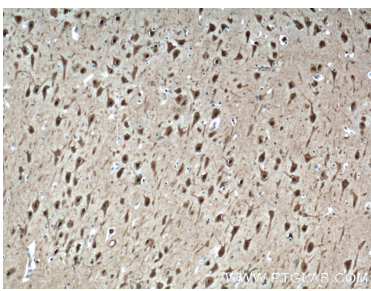
Selected Validation Data



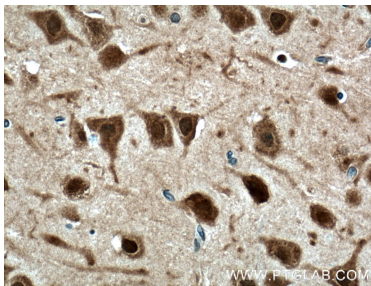
mouse brain tissue were subjected to SDS PAGE followed by western blot with 24992-1-AP (HuD-specific antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



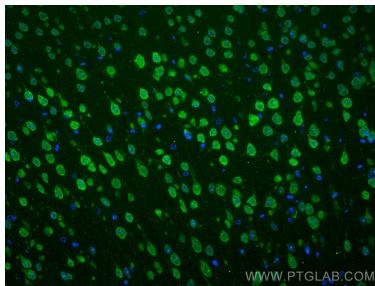
IP result of anti-HuD-specific (IP:24992-1-AP, 4ug; Detection:24992-1-AP 1:300) with mouse brain tissue lysate 3600ug.



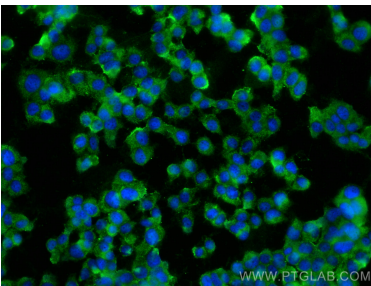
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24992-1-AP (HuD-specific antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using HuD-specific antibody (24992-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).