

## HuD-specific Polyclonal antibody

Catalog Number: 24992-1-AP

3 Publications

## Basic Information

## Catalog Number:

24992-1-AP

## Size:

400 µg/ml

## 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 µg 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

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

## 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,

## 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

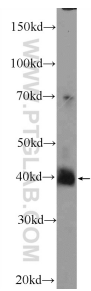
For technical support and original validation data for this product please contact:

T: 4006900926

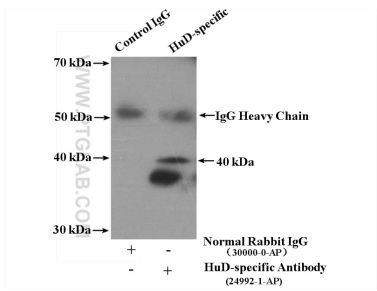
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

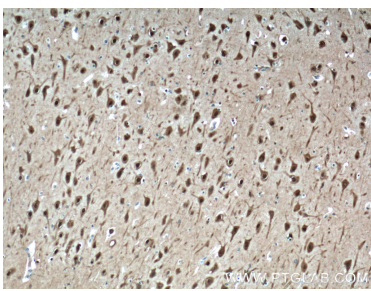
Selected Validation Data



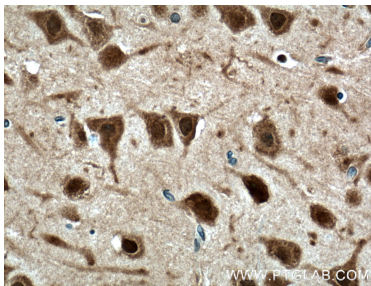
mouse brain tissue were subjected to SDS PAGE followed by western blot with 24992-1-AP (HuD-specific antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



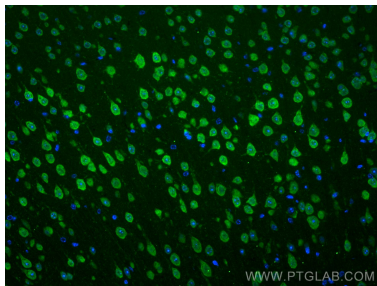
IP result of anti-HuD-specific (IP:24992-1-AP, 4ug; Detection:24992-1-AP 1:300) with mouse brain tissue lysate 3600ug.



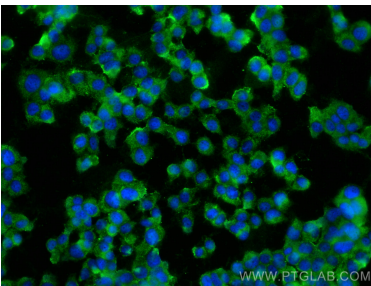
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24992-1-AP (HuD-specific antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L).