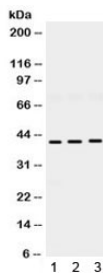


## HuD Antibody / ELAVL4 (R32036)

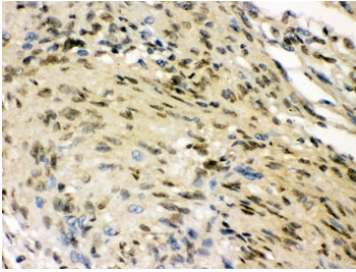
Catalog No.	Formulation	Size
R32036	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

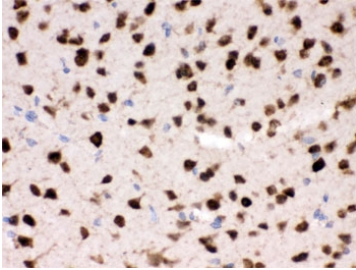
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P26378
<b>Localization</b>	Nuclear
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml
<b>Limitations</b>	This HuD antibody is available for research use only.



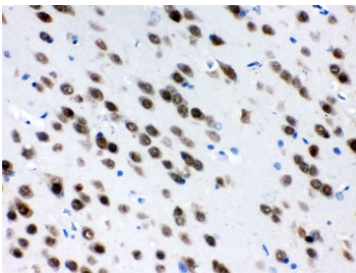
Western blot testing of 1) rat brain, 2) mouse brain and 3) human U87 lysate with HuD antibody. Expected/observed molecular weight ~42 kDa.



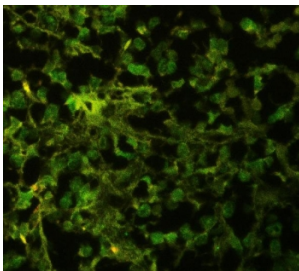
IHC testing of FFPE human meningioma tissue with HuD antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse brain with HuD antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat brain with HuD antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunofluorescent staining of FFPE human glioma with HuD antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

## Description

HuD, otherwise known as ELAV-like protein 4 or PNEM, is a protein that in humans is encoded by the ELAVL4 gene. This human gene is located at 1p34 by in situ hybridization. The HuD/ELAVL4 protein is an RNA-binding protein. ELAVL4 has specificity for 3-prime uridylate-rich untranslated regions of growth factor mRNAs. And HuD is expressed only in neurons and it binds to AU-rich element-containing mRNAs. As a result of this interaction the, half-life of the transcript is increased. Also, HuD is important in neurons during brain development and plasticity.

## Application Notes

Optimal dilution of the HuD antibody should be determined by the researcher.

## Immunogen

Amino acids MEPQVSNQPTSNTSNGPSSNNRNCPSMQTGATTDDSK of human ELAVL4/HuD were used as the immunogen for the HuD antibody.

## Storage

After reconstitution, the HuD antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.