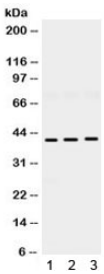
# HuD Antibody / ELAVL4 (R32036)

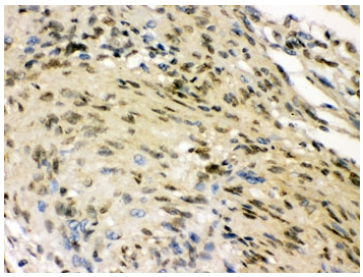
| Catalog No. | Formulation | Size |
|---|---|---|
| R32036 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

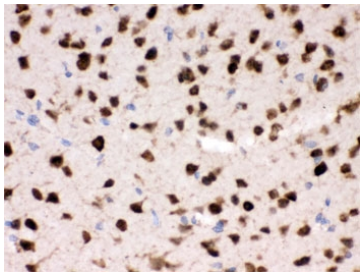
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized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



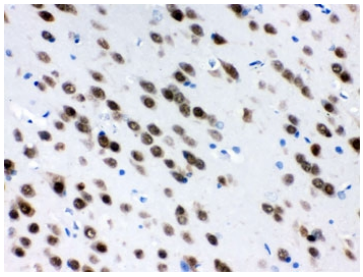

Western blot testing of 1) rat brain, 2) mouse brain and 3) human U87 lysate with HuD antibody. Expected/observed molecular weight ~42 kDa.



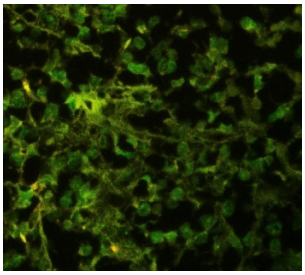
IHC testing of FFPE human meningeoma tissue with HuD antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



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 anRNA-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 toAU-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 MEPQVSNGPTSNTSNGPSSNNRNCPSPMQTGATTDDSK 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 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.