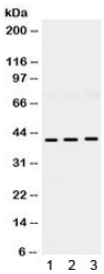
HuD Antibody / ELAVL4 (R32036)

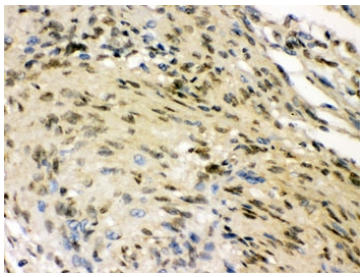
Catalog No.	Formulation	Size
R32036	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

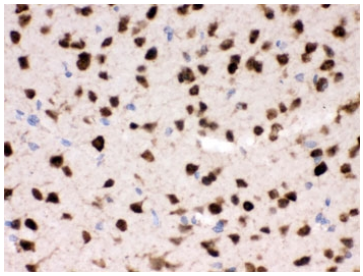
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P26378
Localization	Nuclear
Applications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



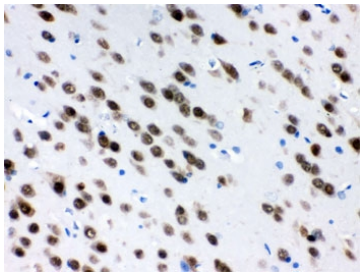
Western blot testing of 1) rat brain, 2) mouse brain and 3) human U87 lysate with HuD antibody. Expected/observed molecular weight ~42 kDa.



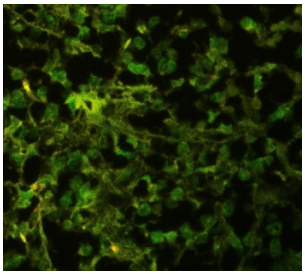
IHC testing of FFPE human meningeoma tissue with HuD antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



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.

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