

ELAVL4 Polyclonal Antibody | anti-ELAVL4 antibody

Anti-ELAVL4 Antibody

CATALOG # AAA46552	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ELAVL4; Polyclonal Antibody; Anti-ELAVL4 Antibody; ELAV-like protein 4; ELAV (embryonic lethal abnormal vision Drosophila) like 4; ELAV L4; ELAV like 4; ELAV like protein 4; ELAV4_HUMAN; Elavl4; Embryonic lethal abnormal vision Drosophila homolog of like 4; Hu antigen D; Hu-antigen D; HuD; Paraneoplastic encephalomyelitis antigen HuD; PNEM; ELAV like neuron-specific RNA binding protein 4; anti-ELAVL4 antibody

PRODUCT SPECIFICATIONS

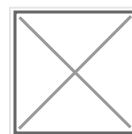
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	366
Applicable Applications for anti-ELAVL4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ELAVL4 (8-45aa MEPQVSNGPTSNTSNGPSSNNRNCSPMQTGATDDSK), different from the related mouse and rat sequences by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



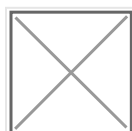
IHC (Immunohistochemistry)

Anti- ELAVL4 Picoband antibody, AAA46552, IHC(P)IHC(P): Human Meningeoma Tissue



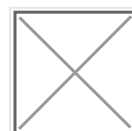
IHC (Immunohistochemistry)

Anti- ELAVL4 Picoband antibody, AAA46552, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)

Anti- ELAVL4 Picoband antibody, AAA46552, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)

Anti- ELAVL4 Picoband antibody, AAA46552, Western blotting
All lanes: Anti ELAVL4 (AAA46552) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Mouse Brain Tissue Lysate at 50ug
Lane 3: U87 Whole Cell Lysate at 40ug
Predicted bind size: 42KD
Observed bind size: 42KD

ADDITIONAL INFORMATION

Related Product Information for anti-ELAVL4 antibody	Description: Rabbit IgG polyclonal antibody for ELAV-like protein 4(ELAVL4) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: 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.
References	1. "Entrez Gene: ELAVL4 ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)". 2. Muresu R, Baldini A, Gress T, Posner JB, Furneaux HM, Siniscalco M (Dec 1993). "Mapping of the gene coding for a paraneoplastic encephalomyelitis antigen (HuD) to human chromosome site 1p34". Cytogenet Cell Genet 65(3): 177-8. 3. Nora Perrone-Bizzozero and Federico Bolognani (2002). "Role of HuD and other RNA-binding proteins in neural development and plasticity". J Neurosci Res 68 (2): 121-126.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316767
NCBI GeneID	1996
NCBI Accession #	NP_001138246.1
NCBI GenBank Nucleotide #	NM_001144774.2
UniProt Accession #	P26378; Q8IYD4; Q96J74; Q96J75; Q9UD24; B1APY6; B1APY7; B7Z4G7
Molecular Weight	40,788 Da
NCBI Official Full Name	ELAV-like protein 4 isoform 2
NCBI Official Synonym Full Names	ELAV like neuron-specific RNA binding protein 4
NCBI Official Symbol	ELAVL4
NCBI Official Synonym Symbols	HUD; PNEM
NCBI Protein Information	ELAV-like protein 4
UniProt Protein Name	ELAV-like protein 4
UniProt Gene Name	ELAVL4
UniProt Synonym Gene Names	HUD; PNEM; HuD
UniProt Entry Name	ELAV4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.