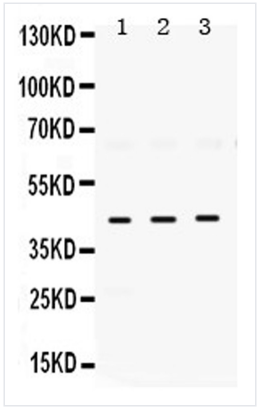
ELAVL4 Antibody – Polyclonal

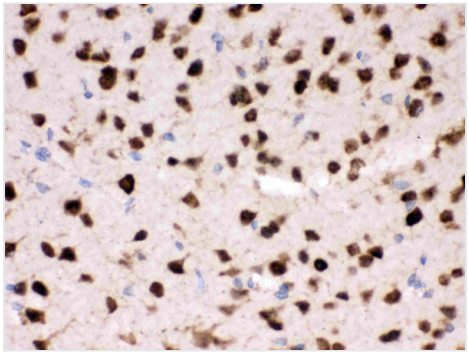
PRODUCT OVERVIEW

Product Name	ELAVL4, Polyclonal Antibody
Full Product Name	Anti-ELAVL4 Antibody
Product Gene Name	anti-ELAVL4 antibody
Product Synonym Names	ELAV-like protein 4; ELAV (embryonic lethal abnormal vision Drosophila) like 4; ELAV L4; ELAV like 4; ELAV like protein 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
Clonality	Polyclonal
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Purity/Purification	Immunogen Affinity Purified
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.
Molecular Weight	40,788 Da
OMIM	168360
3D Structure	ModBase 3D Structure for P26378
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ELAVL4 (8-45aa MEPQVSNGPTSNTSNGPSSNNRNCPSPMQTGATTDDSK), 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.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-ELAVL4 antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Application Notes for anti-ELAVL4 antibody	Western Blot Concentration: 0.1-0.5ug/ml Immunohistochemistry (IHC) Paraffin Concentration: 0.5-1ug/ml
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.
Product References and Citations for anti-ELAVL4 antibody	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.

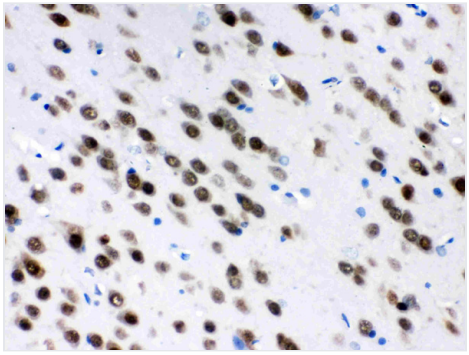
Other Notes	Small volumes of anti-ELAVL4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ELAVL4 purchase	MBS178337 is an antibody targeting ELAVL4. Reactive in Human, Mouse, Rat.



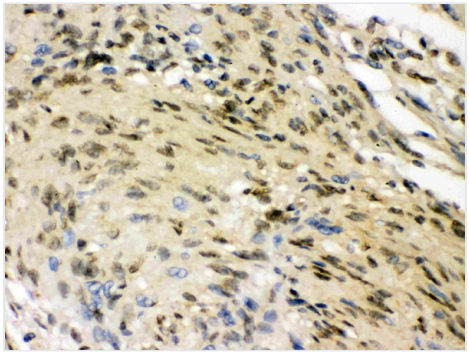
Western Blot (WB) of anti-ELAVL4 antibody
Anti- ELAVL4 Picoband antibody, MBS178337, Western blottingAll lanes: Anti ELAVL4 (MBS178337) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: U87 Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD



Immunohistochemistry (IHC) of anti-ELAVL4 antibody
Anti- ELAVL4 Picoband antibody, MBS178337, IHC(P)IHC(P): Mouse Brain Tissue



Immunohistochemistry (IHC) of anti-ELAVL4 antibody
Anti- ELAVL4 Picoband antibody, MBS178337, IHC(P)IHC(P): Rat Brain Tissue



Immunohistochemistry (IHC) of anti-ELAVL4 antibody
Anti- ELAVL4 Picoband antibody, MBS178337, IHC(P)IHC(P): Human Meningeoma Tissue

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELAVL4. It may not necessarily be applicable to this product.

NCBI GI #	221316767
NCBI GeneID	1996
NCBI Accession #	NP_001138246.1
UniProt Primary Accession #	P26378
UniProt Secondary Accession #	Q8IYD4; Q96J74; Q96J75; Q9UD24; B1APY6; B1APY7; B7Z4G7
UniProt Related Accession #	P26378
GenBank Nucleotide #	NM_001144774.2
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

UniProt Protein Name	ELAV-like protein 4
UniProt Synonym Protein Names	Hu-antigen D; HuD; Paraneoplastic encephalomyelitis antigen HuD
Protein Family	ELAV-like protein
UniProt Gene Name	ELAVL4
UniProt Synonym Gene Names	HUD; PNEM; HuD
UniProt Entry Name	ELAV4_HUMAN
NCBI Protein Information	ELAV-like protein 4
UniProt Comments for ELAVL4	ELAVL4: May play a role in neuron-specific RNA processing. Protects CDKN1A mRNA from decay by binding to its 3'-UTR. Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF and FOS mRNA. Belongs to the RRM elav family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding Chromosomal Location of Human Ortholog: 1p34 Molecular Function: AU-rich element binding; mRNA 3'-UTR binding; nucleotide binding; RNA binding Biological Process: mRNA processing; RNA processing
Research Articles on ELAVL4	**1.** HuD binds to the APP and BACE1 3' UTRs and increases APP and BACE1 levels.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/elavl4/178337