10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ELAVL2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12937c

Specification

ELAVL2 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q12926
Other Accession	Q7SZT7, O09032, Q61701, P26378, Q91584, Q60900, Q14576, Q91903, Q8CH84, Q60899, NP_001164666.1, NP_001164668.1, A0A0R4IEW8
Reactivity	**Human, Mouse**
Predicted	**Rat, Xenopus, Zebrafish**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**156-184**

ELAVL2 Antibody (Center) - Additional Information

Gene ID 1993

Other Names
ELAV-like protein 2, ELAV-like neuronal protein 1, Hu-antigen B, HuB, Nervous system-specific RNA-binding protein Hel-N1, ELAVL2, HUB

Target/Specificity
This ELAVL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the Central region of human ELAVL2.

Dilution
WB~~1:2000
IHC-P~~1:100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ELAVL2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ELAVL2 Antibody (Center) - Protein Information

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Name ELAVL2

Synonyms HUB

Function RNA-binding protein that binds to the 3' untranslated region (3'UTR) of target mRNAs (By similarity). Seems to recognize a GAAA motif (By similarity). Can bind to its own 3'UTR, the FOS 3'UTR and the ID 3'UTR (By similarity).

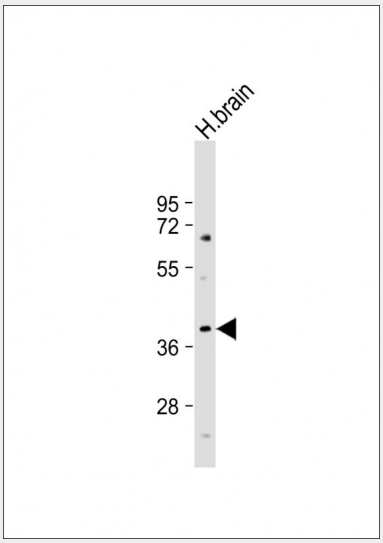
Tissue Location
Brain; neural-specific.

ELAVL2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

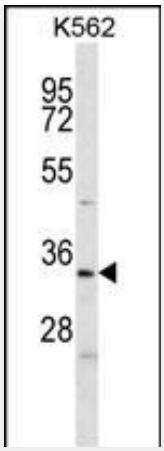
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ELAVL2 Antibody (Center) - Images

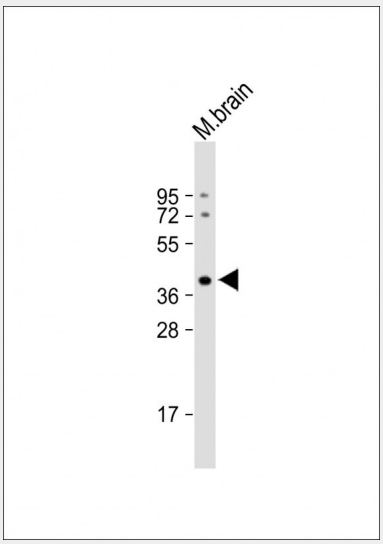


Anti-ELAVL2 Antibody (Center) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

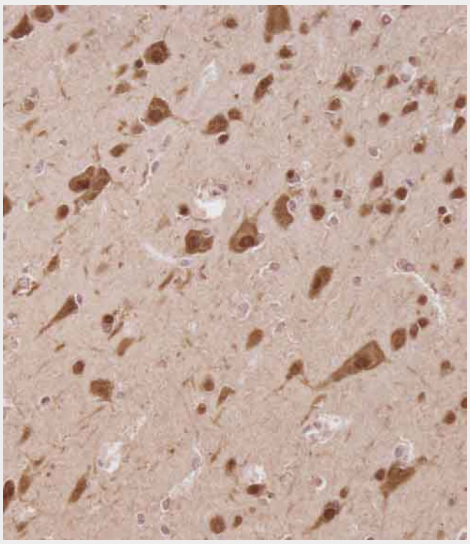
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ELAVL2 Antibody (Center) (Cat. #AP12937c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ELAVL2 antibody detected the ELAVL2 protein (arrow).

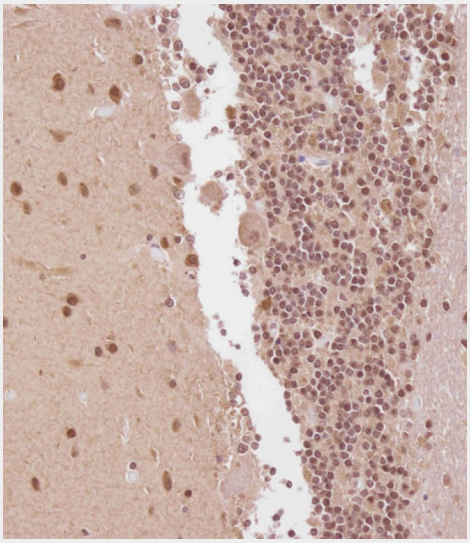


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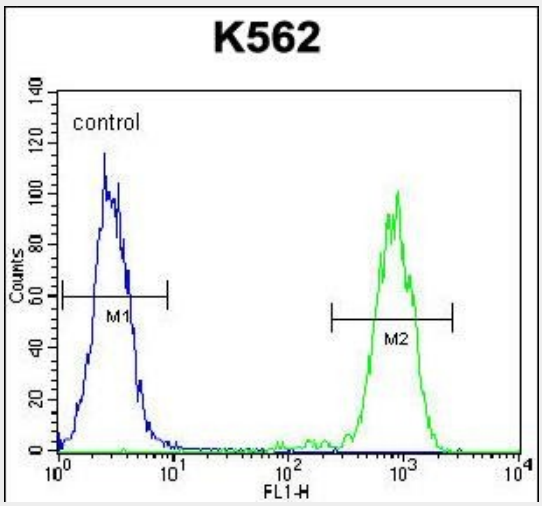


Immunohistochemical analysis of AP12937C on paraffin-embedded Human brain tissue. Tissue

was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of AP12937C on paraffin-embedded Human cerebellum tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



ELAVL2 Antibody (Center) (Cat. #AP12937c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ELAVL2 Antibody (Center) - Background

The protein encoded by this gene is a neural-specific RNA-binding protein that is known to bind to several 3' UTRs, including its own and also that of FOS and ID. The encoded protein may recognize a GAAA motif in the RNA. Three transcript variants encoding two different isoforms have been found for this gene.

ELAVL2 Antibody (Center) - References

Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)
Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :
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Jonson, L., et al. Mol. Cell Proteomics 6(5):798-811(2007)
Yano, M., et al. J. Biol. Chem. 280(13):12690-12699(2005)