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ELAVL3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13333a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q14576
Other Accession	Q60900, NP_115657.2, NP_001411.2
Reactivity	Human, Mouse
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33427
Calculated MW	39547
Antigen Region	71-99

Additional Information

Gene ID	1995
Other Names	ELAV-like protein 3, Hu-antigen C, HuC, Paraneoplastic cerebellar degeneration-associated antigen, Paraneoplastic limbic encephalitis antigen 21, ELAVL3, HUC, PLE21
Target/Specificity	This ELAVL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-99 amino acids from the N-terminal region of human ELAVL3.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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	ELAVL3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ELAVL3
Synonyms	HUC, PLE21

Function	RNA-binding protein that binds to AU-rich element (ARE) sequences of target mRNAs, including VEGF mRNA (PubMed:10710437). May also bind poly-A tracts via RRM 3 (By similarity). May be involved in neuronal differentiation and maintenance (By similarity). Plays a role in the stabilization of GAP43 mRNA and in spatial learning (By similarity).
Tissue Location	Brain specific.

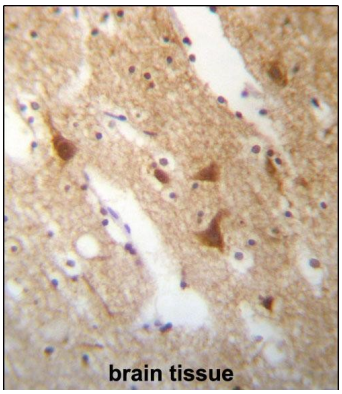
Background

A member of the ELAVL protein family, ELAV-like 3 is a neural-specific RNA-binding protein which contains three RNP-type RNA recognition motifs. The observation that ELAVL3 is one of several Hu antigens (neuronal-specific RNA-binding proteins) recognized by the anti-Hu serum antibody present in sera from patients with paraneoplastic encephalomyelitis and sensory neuronopathy (PEM/PSN) suggests it has a role in neurogenesis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

References

Behrends, U., et al. Int. J. Cancer 100(6):669-677(2002)
Park, S., et al. Mol. Cell. Biol. 20(13):4765-4772(2000)
King, P.H. Nucleic Acids Res. 28 (7), E20 (2000) :
Sakai, K., et al. Biochem. Biophys. Res. Commun. 256(2):263-268(1999)
Van Tine, B.A., et al. Genomics 53(3):296-299(1998)

Images



ELAVL3 Antibody (N-term) (Cat. #AP13333a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ELAVL3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.