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HuC Rabbit pAb

Catalog # AP99515

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q14576
Other Accession	Q14576
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39547
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ELAVL3/HuC
Epitope Specificity	285-367/367
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the RRM elav family. Contains 3 RRM (RNA recognition motif) domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq].

Additional Information

Gene ID	1995
Other Names	HUC; HUCL; PLE21; 2600009P04Rik; mHuC; ELAV3_HUMAN; ELAVL3; Hu-antigen C (HuC); Paraneoplastic cerebellar degeneration-associated antigen; Paraneoplastic limbic encephalitis antigen 21; ELAV3_MOUSE; ELAV like RNA binding protein 3; ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C); ELAV like neuron-specific RNA binding protein 3; Hu antigen C; ELAV-like protein 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.