

For Research Use Only

ELAVL2 Polyclonal antibody

Catalog Number: 14008-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number: 14008-1-AP	GenBank Accession Number: BC030692	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1993	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 39 kDa	
Immunogen Catalog Number: AG5105	Observed MW: 39 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, RIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, chicken, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse cerebellum tissue,

IP : mouse cerebellum tissue,

IHC : human brain tissue,

Background Information

The ELAV (embryonic lethal abnormal visual system) gene of *D. Melanogaste* is the the first identified member of a family of neuronal RNA binding proteins that is conserved in metazoans. The proteins in this family contain three RNA Recognition Motifs (RRM), with a hinge region separating the second and third RRM and an optional non-conserved N-terminal region. The hinge includes signals essential for nuclear export and subcellular localization [PMID:9874760]. Elav is expressed specifically in the neurons and is required for the correct development and maintenance of the nervous system. ELAVL2 can binds RNA, and recognize a GAAA motif. In addition, it can bind to its own 3'-UTR, the FOS 3'-UTR and the ID 3'-UTR [PMID:18715504,21695151].

Notable Publications

Author	Pubmed ID	Journal	Application
Roberto De Gregorio	36178075	Development	IF
Yuzuru Kato	31657143	EMBO Rep	RIP
Satoshi Yokoi	36261283	J Neurosci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

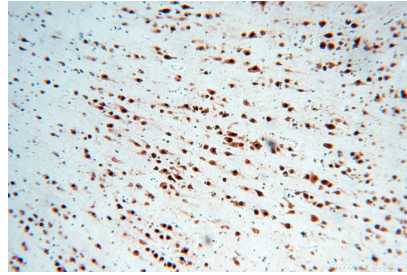
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

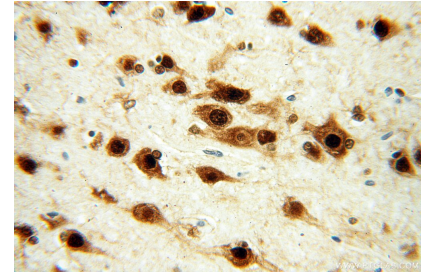
Selected Validation Data



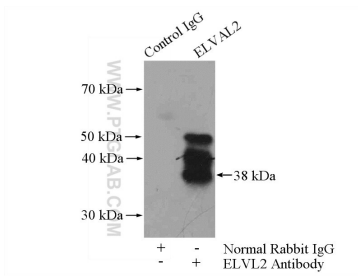
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 14008-1-AP (ELAVL2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 14008-1-AP (ELAVL2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 14008-1-AP (ELAVL2 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-ELAVL2 (IP:14008-1-AP, 4ug; Detection:14008-1-AP 1:1000) with mouse cerebellum tissue lysate 4400ug.