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# Datasheet for ABIN6261510 anti-ELAVL1 antibody (Internal Region)

3 Images



#### Overview

Quantity:	100 μL
Target:	ELAVL1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELAVL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human ELAVL1, corresponding to a region within the internal amino acids.
lsotype:	lgG
Specificity:	ELAVL1 Antibody detects endogenous levels of total ELAVL1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

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Iа	ra	et:

ELAVL1

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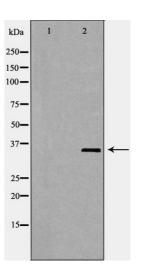
Alternative Name:	ELAVL1 (ELAVL1 Products)
Background:	Description: RNA-binding protein that binds to the 3'-UTR region of mRNAs and increases their
	stability (PubMed:14517288, PubMed:18285462). Involved in embryonic stem cells (ESCs)
	differentiation: preferentially binds mRNAs that are not methylated by N6-methyladenosine
	(m6A), stabilizing them, promoting ESCs differentiation (By similarity). Binds to poly-U elements
	and AU-rich elements (AREs) in the 3'-UTR of target mRNAs (PubMed:8626503,
	PubMed:17632515, PubMed:18285462, PubMed:23519412). Binds avidly to the AU-rich
	element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, binds to a
	core element of 27 nucleotides that contain AUUUA, AUUUUA, and AUUUUUA motifs. Binds
	preferentially to the 5'-UUUU[AG]UUU-3' motif in vitro (PubMed:8626503). With ZNF385A, binds
	the 3'-UTR of p53/TP53 mRNA to control their nuclear export induced by CDKN2A. Hence, may
	regulate p53/TP53 expression and mediate in part the CDKN2A anti-proliferative activity. May
	also bind with ZNF385A the CCNB1 mRNA (By similarity).
	Gene: ELAVL1
Molecular Weight:	36kDa
Gene ID:	1994
UniProt:	Q15717
Pathways:	AMPK Signaling
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

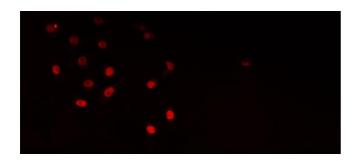
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

### Images



#### Western Blotting

**Image 1.** Western blot analysis of Hela whole cell lysates, using ELAVL1 Antibody. The lane on the left is treated with the antigen-specific peptide.

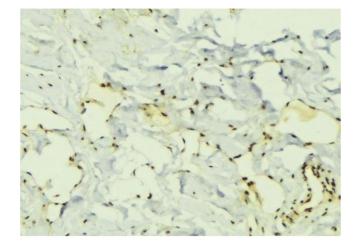


#### Immunofluorescence (fixed cells)

**Image 2.** ABIN6276759 staining HepG2? cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25jaC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at  $37_jaC$ . An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod



**Image 3.** ABIN6276759 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22<sub>j</sub>ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



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