

For Research Use Only

# ELAVL2 Monoclonal antibody

Catalog Number: 67097-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 67097-1-Ig	<b>GenBank Accession Number:</b> BC030692	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1993	<b>CloneNo.:</b> 2D8C10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12926	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)	
<b>Immunogen Catalog Number:</b> AG28310	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 35-40 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, SH-SY5Y cells, PC-12 cells, Neuro-2a cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue
<b>Cited Applications:</b> WB, IF, IP	
<b>Species Specificity:</b> human, mouse, rat, pig, rabbit	
<b>Cited Species:</b> human, mouse	

## Background Information

The ELAV (embryonic lethal abnormal visual system) gene of D. Melanogaste is 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
Dominika Grzejda	36170367	Sci Adv	WB
Sandra Diaz-Garcia	34618203	Acta Neuropathol	IF
Yiran Zhang	39425207	Mol Neurodegener	IP

## Storage

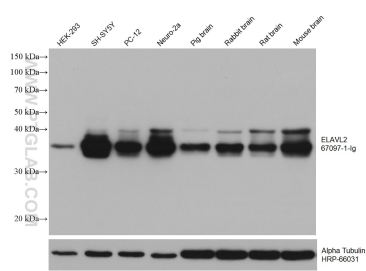
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

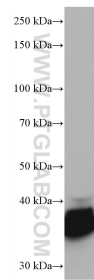
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67097-1-Ig (ELAVL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 67097-1-Ig (ELAVL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.