

For Research Use Only

ELAVL2 Monoclonal antibody

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



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: 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
Cited Applications: WB, IF, IP	
Species Specificity: human, mouse, rat, pig, rabbit	
Cited Species: 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 bind 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

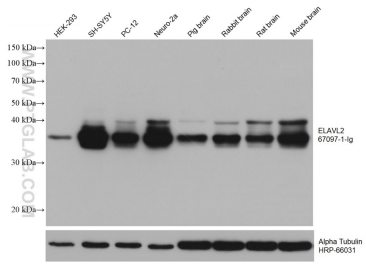
Storage

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

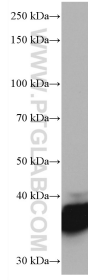
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67097-1-g (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.