ELAVL2 Polyclonal ANTIBODY

Catalog Number: 14008-1-AP

Basic Information

Catalog Number: 14008-1-AP

Size: 55 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG5105

GenBank Accession Number: BC030692

GeneID (NCBI): 1993

Full Name: ELAV (embryonic lethal, abnormal vision, Drosophila) like 2 (Hu antigen B)

Calculated MW: 39 kDa

Observed MW: 39 kDa

Recommended Dilutions:
- WB: 1:1000-1:6000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:20-1:200

Applications

Tested Applications:
- IHC, IP, WB, ELISA

Cited Applications:
- IF, WB

Species Specificity:
- human, mouse, rat

Cited Species:
- chicken, human, mouse

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

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's 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].

Storage

Store at -20ºC. 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

Positive Controls:
- WB: mouse cerebellum tissue;
- IP: mouse cerebellum tissue;
- IHC: human brain tissue;

Notable Publications

Author | Pubmed ID | Journal | Application
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Nimrod Rotem | 28300211 | Sci Rep | WB, IF
Stefano Berto | 27260404 | Hum Mbi Genet | WB
Wen Si Zhao | 31285951 | Am J Cancer Res | WB

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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).