

Product Name: HuR / ELAVL1 (6W9) Rabbit Monoclonal Antibody
Catalog #: AMRe12286

Summary

Production Name	HuR / ELAVL1 (6W9) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	ELAVL1
Alternative Names	HUR; Hua; MelG; ELAV1;
Gene ID	1994.0
SwissProt ID	Q15717.

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	36kDa

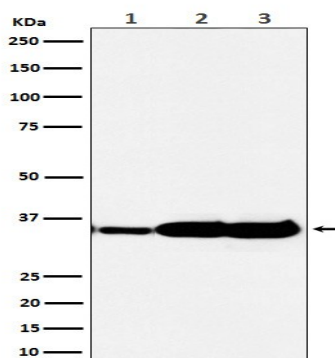
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Background

Involved in 3'-UTR ARE-mediated MYC stabilization. Binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, HUR binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA and AUUUUUA motifs. RNA-binding protein that binds to the 3'-UTR region of mRNAs and increases their stability (PubMed: [14517288](http://www.uniprot.org/citations/14517288), PubMed: [18285462](http://www.uniprot.org/citations/18285462), PubMed: [31358969](http://www.uniprot.org/citations/31358969)). 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](http://www.uniprot.org/citations/8626503), PubMed: [17632515](http://www.uniprot.org/citations/17632515), PubMed: [18285462](http://www.uniprot.org/citations/18285462), PubMed: [23519412](http://www.uniprot.org/citations/23519412), PubMed: [14731398](http://www.uniprot.org/citations/14731398)). 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](http://www.uniprot.org/citations/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). Increases the stability of the leptin mRNA harboring an AU-rich element (ARE) in its 3' UTR (PubMed: [29180010](http://www.uniprot.org/citations/29180010)).

Research Area

Image Data



Western blot analysis of HuR / ELAVL1 expression in (1) Jurkat cell lysate; (2) Mouse heart lysate; (3) Rat spleen lysate.

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Note

For research use only.