

KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1542**Specification****KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q15717
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 36 kDa, observed, 30 kDa kDa
Gene Name	ELAVL1
Aliases	ELAVL1; ELAV Like RNA Binding Protein 1; HUR; ELAV (Embryonic Lethal, Antibodynormal Vision, Drosophila)-Like 1 (Hu Antigen R); Embryonic Lethal, Antibodynormal Vision, Drosophila, Homolog-Like 1; ELAV-Like Protein 1; Hu Antigen R; Hu-Antigen R; MelG; HuR; Hua; ELAV1; MELG; HUA
Immunogen	A synthesized peptide derived from human HuR / ELAVL1

KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	1994
Other Names	
ELAV-like protein 1, Hu-antigen R, HuR, ELAVL1, HUR	

KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody - Protein Information**Name** ELAVL1**Synonyms** HUR**Function**

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 cell (ESC) differentiation: preferentially binds mRNAs that are not methylated by N6-methyladenosine (m6A), stabilizing them, promoting ESC differentiation (By similarity). Has also been shown to be capable of binding to m6A-containing mRNAs and contributes to MYC stability by binding to m6A-containing MYC mRNAs (PubMed: [32245947](http://www.uniprot.org/citations/32245947)). Binds to poly-U elements and AU-rich elements (AREs) in the 3'-UTR of target mRNAs (PubMed: [14731398](http://www.uniprot.org/citations/14731398), PubMed: [14731398](#)).

[17632515](http://www.uniprot.org/citations/17632515), PubMed: [18285462](http://www.uniprot.org/citations/18285462), PubMed: [23519412](http://www.uniprot.org/citations/23519412), PubMed: [8626503](http://www.uniprot.org/citations/8626503)). 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)).

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, Stress granule {ECO:0000250|UniProtKB:P70372}. Cytoplasm, P-body. Note=Translocates into the cytoplasm following phosphorylation by MAPKAPK2 (PubMed:14517288). Likewise, phosphorylation by PRKCD promotes translocation from the nucleus into the cytoplasm, where it is associated with free and cytoskeleton-bound polysomes (PubMed:18285462). Localizes to the stress granules in the presence of PLEKHN1 (By similarity). {ECO:0000250|UniProtKB:P70372, ECO:0000269|PubMed:14517288, ECO:0000269|PubMed:18285462}

Tissue Location

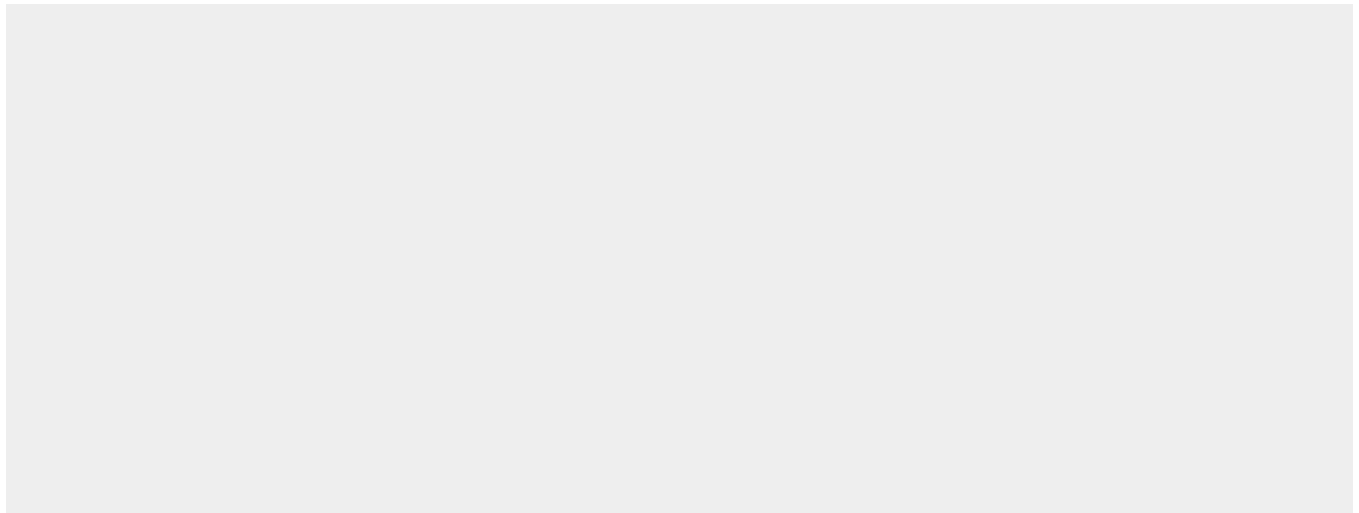
Ubiquitous. Detected in brain, liver, thymus and muscle.

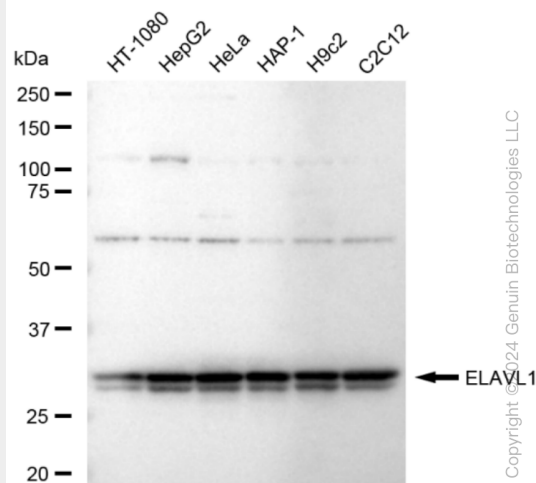
KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

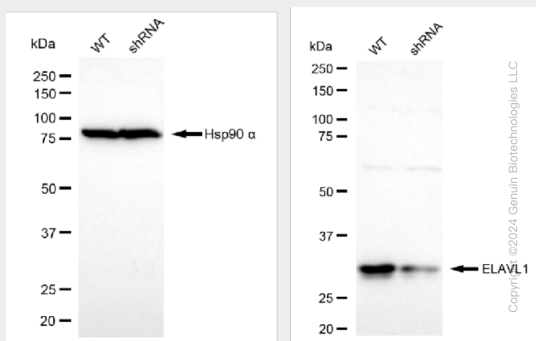
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-HuR / ELAVL1 Rabbit Monoclonal Antibody - Images

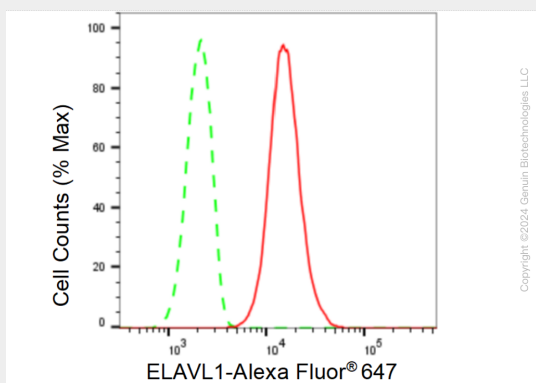




Western blotting analysis using anti-ELAVL1 antibody (Cat#AGI1542). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ELAVL1 antibody (Cat#AGI1542, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti- ELAVL1 antibody (Cat#AGI1542). ELAVL1 expression in wild type (WT) and ELAVL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti- ELAVL1 antibody (Cat#AGI1542, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ELAVL1 expression in HepG2 cells using ELAVL1 antibody (Cat#AGI1542, 1:2,000). Green, isotype control; red, ELAVL1.