

HUR Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52000**Specification**

HUR Antibody - Product Information

Application	WB
Primary Accession	O15717
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36, 39 KDa
Antigen Region	31 - 90

HUR Antibody - Additional Information**Gene ID** 1994**Other Names**

ELAV-like protein 1, Hu-antigen R, HuR, ELAVL1, HUR

Target/Specificity

KLH conjugated synthetic peptide derived from human HUR

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

HUR 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:

href="http://www.uniprot.org/citations/32245947" target="_blank">32245947). Binds to poly-U elements and AU-rich elements (AREs) in the 3'-UTR of target mRNAs (PubMed:14731398, PubMed:17632515, PubMed:18285462, PubMed:23519412, PubMed: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). 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).

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.

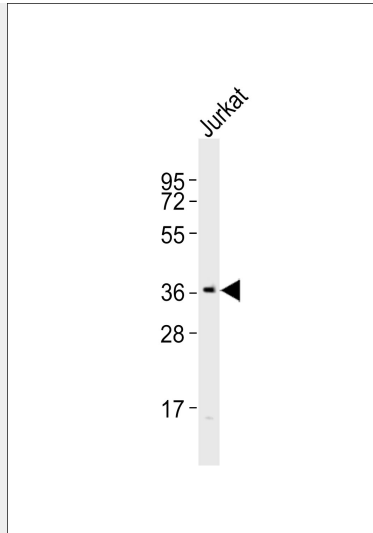
HUR Antibody - Protocols

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](#)

HUR Antibody - Images





Anti-HUR Antibody at 1:1000 dilution + Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

HUR Antibody - Background

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. Binds preferentially to the 5'- UUUU[AG]UUU-3' motif in vitro. 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.

HUR Antibody - References

- Ma W.-J., et al. *J. Biol. Chem.* 271:8144-8151(1996).
- Kalnina N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
- Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
- Gallouzi I.-E., et al. *Science* 294:1895-1901(2001).
- Li H., et al. *J. Biol. Chem.* 277:44623-44630(2002).