

## ARG56587 anti-ELAVL1 / HuR antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ELAVL1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ELAVL1 / HuR
Species	Human
Immunogen	Recombinant protein of Human ELAVL1 / HuR.
Conjugation	Un-conjugated
Alternate Names	HuR; Hua; Hu-antigen R; ELAV-like protein 1; MelG; ELAV1; HUR

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

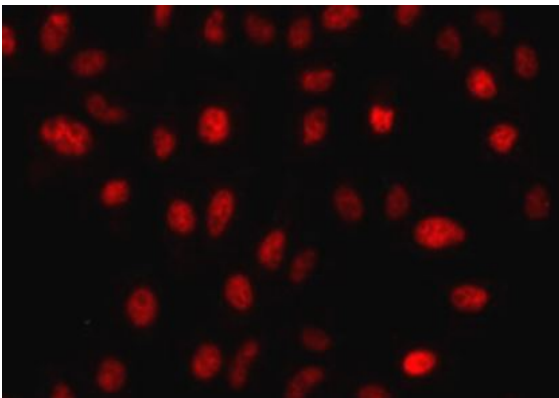
## Bioinformatics

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Database links	<a href="#">GeneID: 15568 Mouse</a> <a href="#">GeneID: 1994 Human</a> <a href="#">Swiss-port # P70372 Mouse</a> <a href="#">Swiss-port # Q15717 Human</a>
Gene Symbol	ELAVL1
Gene Full Name	ELAV like RNA binding protein 1
Background	The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA recognition motifs, and selectively bind AU-rich elements (AREs) found in the 3' untranslated regions of mRNAs. AREs signal degradation of mRNAs as a means to regulate gene expression, thus by binding AREs, the ELAVL family of proteins play a role in stabilizing ARE-containing mRNAs. This gene has been implicated in a variety of biological processes and has been linked to a number of diseases, including cancer. It is highly expressed in many cancers, and could be potentially useful in cancer diagnosis, prognosis, and therapy. [provided by RefSeq, Sep 2012]
Function	RNA-binding protein that binds to the 3'-UTR region of mRNAs and increases their stability. Involved in embryonic stem cells (ESCs) differentiation: preferentially binds mRNAs that are not methylated by N6-methyladenosine (m6A), stabilizing them, promoting ESCs differentiation. Binds to poly-U elements and AU-rich elements (AREs) in the 3'-UTR of target mRNAs. 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. 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. [UniProt]
Calculated Mw	36 kDa
PTM	Phosphorylated by MAPKAPK2 (PubMed:14517288). Phosphorylated by PRKCD (PubMed:18285462). Methylated at Arg-217 by CARM1 in macrophages in response to LPS challenge.

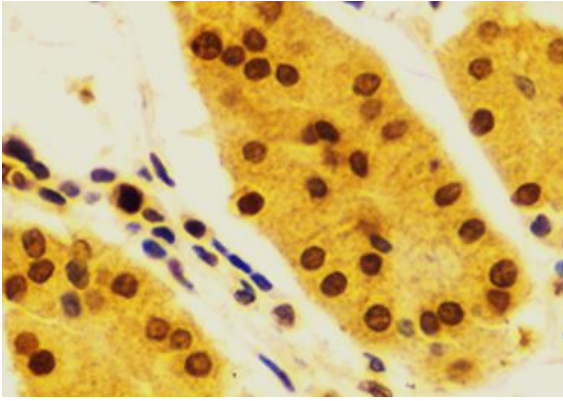
## Images

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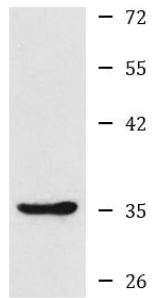
ARG56587 anti-ELAVL1 / HuR antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG56587 anti-ELAVL1 / HuR antibody.



ARG56587 anti-ELAVL1 / HuR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric stained with ARG56587 anti-ELAVL1 / HuR antibody at 1:100 dilution.



Jurkat

ARG56587 anti-ELAVL1 / HuR antibody WB image

Western blot: Jurkat cell lysate stained with ARG56587 anti-ELAVL1 / HuR antibody.