

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

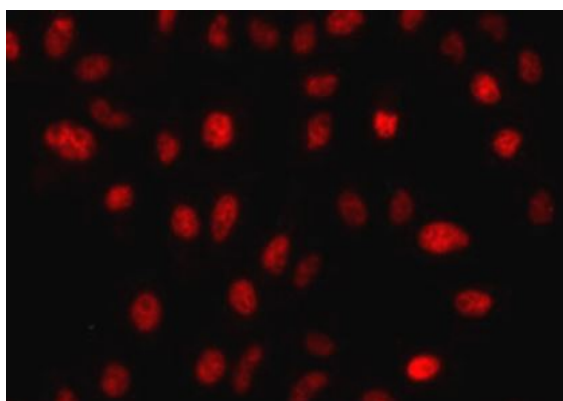
Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	

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.

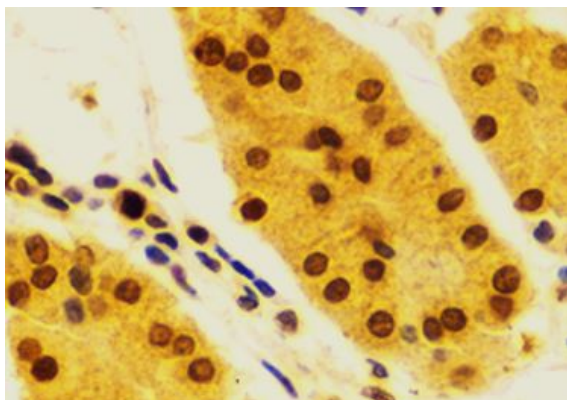
Database links	GeneID: 15568 Mouse GeneID: 1994 Human Swiss-port # P70372 Mouse Swiss-port # Q15717 Human
Gene Symbol	ELAVL1
Gene Full Name	ELAV like RNA binding protein 1
Background	The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA recognition 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



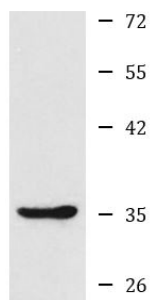
ARG56587 anti-ELAVL1 / HuR antibody ICC/IF image

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.



ARG56587 anti-ELAVL1 / HuR antibody WB image

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