

Product Name: KD-Validated HuR / ELAVL1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01058

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 36.1kDa

Antigen Information

Gene Name	ELAVL1
Alternative Names	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
Gene ID	1994.0
SwissProt ID	Q15717
Immunogen	A synthesized peptide derived from human HuR / ELAVL1

Background

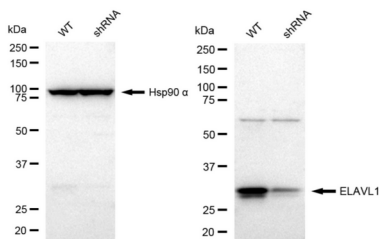
The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA

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]

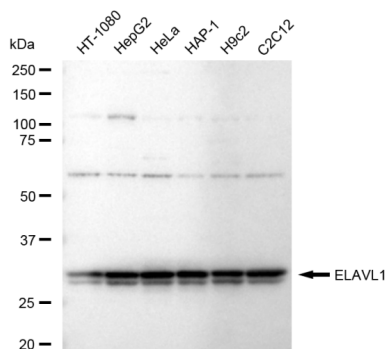
Research Area

Epigenetics and Nuclear Signaling

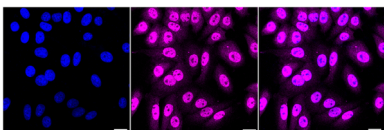
Image Data



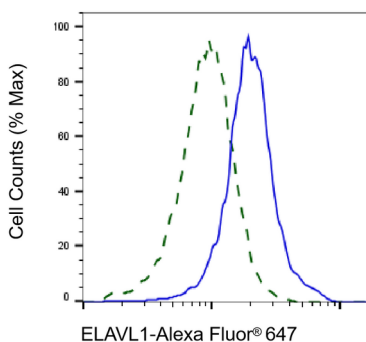
Western blotting analysis using ELAVL1 antibody (KVA01058). ELAVL1 expression in wild type (WT) and ELAVL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ELAVL1 antibody (KVA01058, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



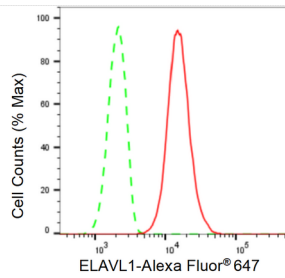
Western blotting analysis using ELAVL1 antibody (KVA01058). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ELAVL1 antibody (KVA01058, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ELAVL1 antibody (KVA01058, 1:1,000). Nuclei were stained blue with DAPI; ELAVL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of ELAVL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ELAVL1 antibody (KVA01058, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ELAVL1 expression in HepG2 cells using ELAVL1 antibody (KVAAb01058, 1:2,000). Green, isotype control; red, ELAVL1.