[KD Validated] Anti-ELAVL1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R021132

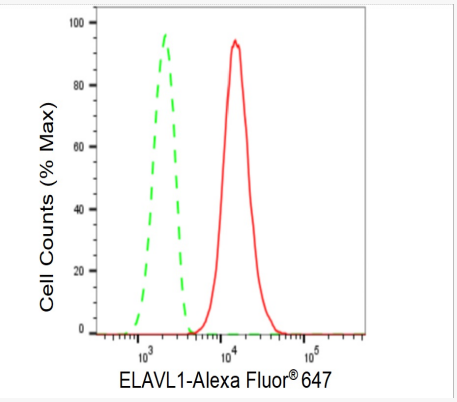
Product Information

Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	69N77S12
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HuR / ELAVL1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-ELAVL1 Rabbit mAb [69N77S12] is for research use only and not for use in diagnostic or therapeutic procedures.

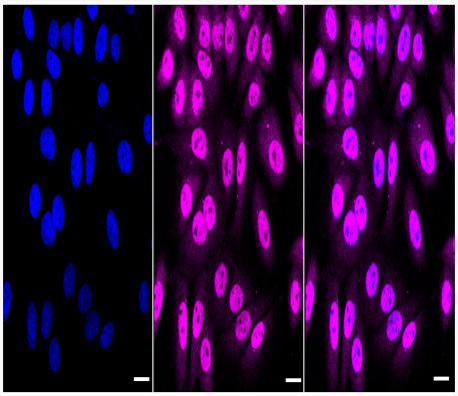
Protein Information

Synonyms	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.
Calculated MW	Calculated MW: 36 kDa, Observed MW: 30 kDa
Uniprot ID	Q15717
Gene ID	1994
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]
Cellular Location	Cytoplasm.
Tissue Location	Ubiquitous.

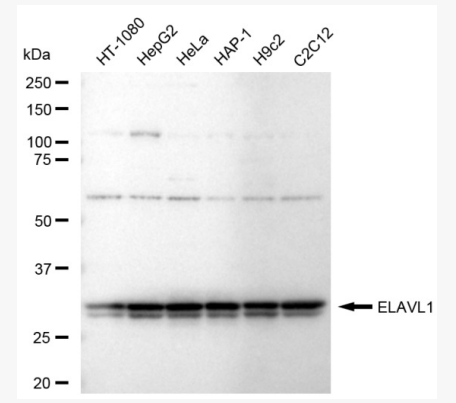
Validation Images



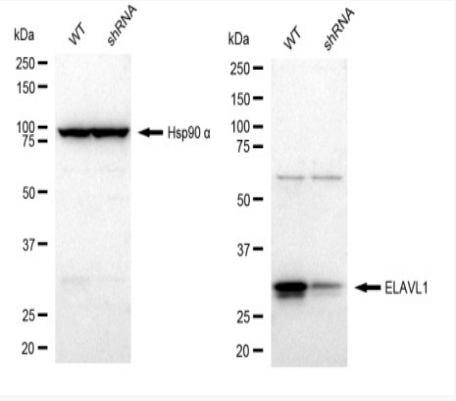
Flow cytometric analysis of ELAVL1 expression in HepG2 cells using ELAVL1 antibody (R021132, 1:2,000). Green, isotype control; red, ELAVL1.



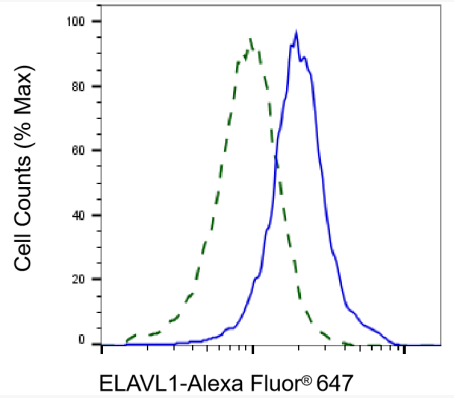
Immunocytochemical staining of HepG2 cells with ELAVL1 antibody (R021132, 1:1,000). Nuclei were stained blue with DAPI; ELAVL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using ELAVL1 antibody (R021132). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ELAVL1 antibody (R021132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using ELAVL1 antibody (R021132). 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 (R021132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Validation of ELAVL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ELAVL1 antibody (R021132, 1:2,000) and analyzed using BD flow cytometer.