

Product Name: KD-Validated CUGBP Elav-Like Family Member 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01358

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: 52.1kDa

Antigen Information

Gene Name	CELF1
Alternative Names	CELF1; CUGBP Elav-Like Family Member 1; BRUNOL2; NAB50; CUGBP; EDEN-BP; CUG-BP; HNab50; CUGBP1; NAPOR; Embryo Deadenylation Element-Binding Protein Homolog; Nuclear Polyadenylated RNA-Binding Protein, 50-KD; 50 KDa Nuclear Polyadenylated RNA-Binding Protein; Embryo Deadenylation Element Binding Protein; CUG Triplet Repeat RNA-Binding Protein 1; CUG-BP- And ETR-3-Like Factor 1; RNA-Binding Protein BRUNOL-2; Deadenylation Factor CUG-BP; CUG RNA-Binding Protein; Bruno-Like Protein 2; EDEN-BP Homolog; Bruno-Like 2; CUG Triplet Repeat, RNA-Binding Protein 1; CUG Triplet Repeat, RNA Binding Protein 1; CUGBP, Elav-Like Family Member 1; CUG-BP1; CELF-1
Gene ID	10658.0

SwissProt ID Q92879
Immunogen A synthesized peptide derived from human CELF1

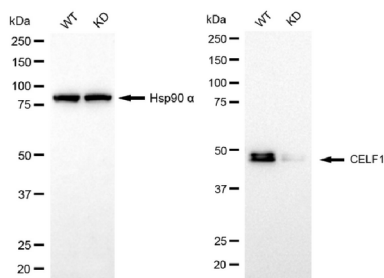
Background

Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. This gene may play a role in myotonic dystrophy type 1 (DM1) via interactions with the dystrophin myotonic-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

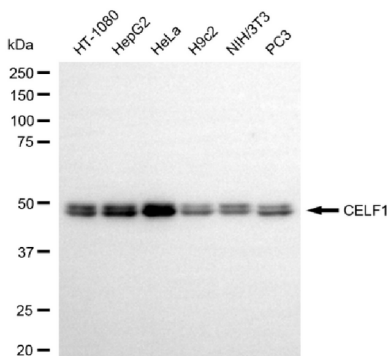
Research Area

Epigenetics and Nuclear Signaling

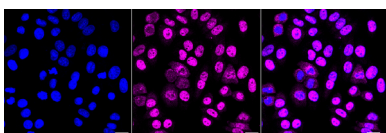
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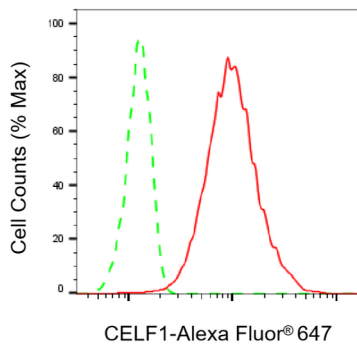
Western blotting analysis using CELF1 antibody (KVA01358). CELF1 expression in wild-type (WT) and CELF1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CELF1 antibody (KVA01358, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CELF1 antibody (KVA01358). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CELF1 antibody (KVA01358, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CELF1 antibody (KVA01358, 1:1,000). Nuclei were stained blue with DAPI; CELF1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of CELF1 expression in HepG2 cells using CELF1 antibody (KVA01358, 1:2,000). Green, isotype control; red, CELF1.