

产品名称: CUG-BP1 Rabbit Polyclonal Antibody
产品货号: AP Rab09530



产品概述 (Summary)

产品名称 (Production Name)	CUG-BP1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CELF1 CELF1; BRUNOL2; CUGBP; CUGBP1; NAB50; CUGBP Elav-like family member 1;
别名 (Alternative Names)	CELF-1; 50 kDa nuclear polyadenylated RNA-binding protein; Bruno-like protein 2; CUG triplet repeat RNA-binding protein 1; CUG-BP1; CUG-BP- and ETR-3-like factor 1; Dead
基因 ID (Gene ID)	10658.0
蛋白 ID (SwissProt ID)	Q92879.The antiserum was produced against synthesized peptide derived from human CELF-1. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
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蛋白分子量 (Molecular Weight) 60kDa

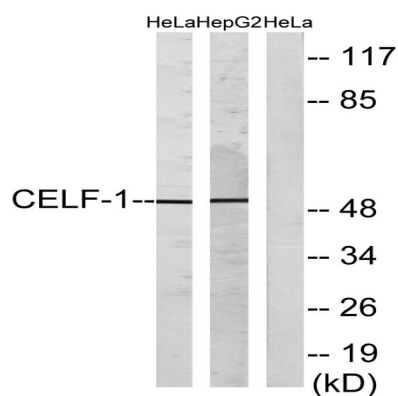
研究背景 (Background)

CUGBP, Elav-like family member 1 (CELF1) Homo sapiens 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], disease: CUGBP1 may be involved in the mechanism of myotonic dystrophy. It binds to the CUG repeat expansion of the CC untranslated region of the myotonic protein kinase (MT-PK) gene., function: RNA-binding protein implicated in the regulation of several post-transcriptional events. Involved in pre-mRNA alternative splicing, mRNA translation and stability. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Acts as both an activator and repressor of a pair of coregulated exons: promotes inclusion of the smooth muscle (SM) exon but exclusion of the non-muscle (NM) exon in actinin pre-mRNAs. Activates SM exon 5 inclusion by antagonizing the repressive effect of PTB. Promotes exclusion of exon 11 of the INSR pre-mRNA. Increases translation and controls the choice of translation initiation codon of CEBPB mRNA. Increases mRNA translation of CEBPB in aging liver (By similarity). Increases translation of CDKN1A mRNA by antagonizing the repressive effect of CALR3. Mediates rapid cytoplasmic mRNA deadenylation. Recruits the deadenylase PARN to the poly(A) tail of EDEN-containing mRNAs to promote their deadenylation. Required for completion of spermatogenesis (By similarity). Binds to (CUG)_n triplet repeats in the 3'-UTR of transcripts such as DMPK and to Bruno response elements (BREs). Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA. Binds to AU-rich sequences (AREs or EDEN-like) localized in the 3'-UTR of JUN and FOS mRNAs. Binds to the 5'-region of CDKN1A and CEBPB mRNAs. Binds with the 5'-region of CEBPB mRNA in aging liver., PTM: Phosphorylated. Its phosphorylation status increases in senescent cells., similarity: Belongs to the CELF/BRUNOL family., similarity: Contains 3 RRM (RNA recognition motif) domains., subcellular location: RNA-binding activity is detected in both nuclear and cytoplasmic compartments., subunit: Component of an EIF2 complex at least composed of CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5. Associates with polysomes (By similarity). Interacts with PARN., tissue specificity: Ubiquitous.,

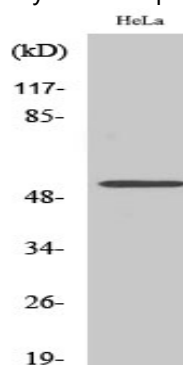
研究领域 (Research Area)

图片 (Image Data)

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Western blot analysis of lysates from HeLa and HepG2 cells, using CELF-1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CUG-BP1 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .