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anti-CELF1 antibody (N-Term)





Overview	
Quantity:	100 μL
Target:	CELF1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human CELF-1, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	CELF-1 Antibody detects endogenous levels of total CELF-1.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	CELF1

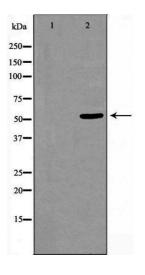
Target Details	
Alternative Name:	CELF1 (CELF1 Products)
Background:	Description: RNA-binding protein implicated in the regulation of several post-transcriptional
	events. Involved in pre-mRNA alternative splicing, mRNA translation and stability. Mediates
	exon inclusion and/or exclusion in pre-mRNA 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. Inhibits, together with HNRNPH1, insulin receptor (IR) pre-mRNA
	exon 11 inclusion in myoblast. 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 IR RNA. Binds to the 5'-region of CDKN1A and CEBPB mRNAs. Binds with
	the 5'-region of CEBPB mRNA in aging liver. May be a specific regulator of miRNA biogenesis.
	Binds to primary microRNA pri-MIR140 and, with CELF2, negatively regulates the processing to
	mature miRNA (PubMed:28431233).
	Gene: CELF1
Molecular Weight:	52 kDa
Gene ID:	10658
UniProt:	Q92879
Pathways:	Ribonucleoprotein Complex Subunit Organization
Application Details	
Application Notes:	WR 1-500-1-1000 IE/ICC 1-100-1-500 ELISA(pentide) 1-20000-1-40000

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

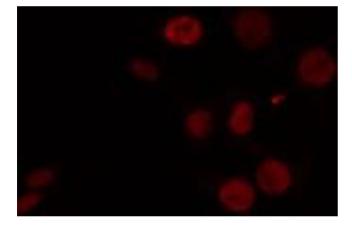
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells using CELF-1 antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 2. ABIN6274460 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.