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Datasheet for ABIN7148736
anti-CELF2 antibody (AA 291-381) (Biotin)

Overview

Quantity:	100 µg
Target:	CELF2
Binding Specificity:	AA 291-381
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELF2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human CUGBP Elav-like family member 2 protein (291-381AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CELF2
Alternative Name:	CELF2 (CELF2 Products)
Background:	Background: RNA-binding protein implicated in the regulation of several post-transcriptional events. Involved in pre-mRNA alternative splicing, mRNA translation and stability. Mediates

Target Details

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 TNNT2 in embryonic, but not adult, skeletal muscle. Activates TNNT2 exon 5 inclusion by antagonizing the repressive effect of PTB. 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. Promotes inclusion of exon 21 and exclusion of exon 5 of the NMDA receptor R1 pre-mRNA. Involved in the apoB RNA editing activity. Increases COX2 mRNA stability and inhibits COX2 mRNA translation in epithelial cells after radiation injury (By similarity). Modulates the cellular apoptosis program by regulating COX2-mediated prostaglandin E2 (PGE2) expression (By similarity). Binds to (CUG)_n triplet repeats in the 3'-UTR of transcripts such as DMPK. Binds to the muscle-specific splicing enhancer (MSE) intronic sites flanking the TNNT2 alternative exon 5. Binds preferentially to UG-rich sequences, in particular UG repeat and UGUU motifs. Binds to apoB mRNA, specifically to AU-rich sequences located immediately upstream of the edited cytidine. Binds AU-rich sequences in the 3'-UTR of COX2 mRNA (By similarity). Binds to an intronic RNA element responsible for the silencing of exon 21 splicing (By similarity). Binds to (CUG)_n repeats (By similarity).

Aliases: Bruno-like protein 3 antibody, BRUNOL3 antibody, Cardiac elav type RNA binding protein antibody, CELF-2 antibody, celf2 antibody, CELF2_HUMAN antibody, CUG BP2 antibody, CUG triplet repeat RNA-binding protein 2 antibody, CUG-BP- and ETR-3-like factor 2 antibody, CUG-BP2 antibody, CUGBP Elav like family member 2 antibody, CUGBP Elav-like family member 2 antibody, CUGBP2 antibody, dJ323N1.1 antibody, elav type RNA binding protein antibody, ELAV-type RNA-binding protein 3 antibody, ETR 3 antibody, ETR-3 antibody, ETR3 antibody, HGNC:2550 antibody, hNAPOR antibody, NAPOR 2 antibody, NAPOR antibody, Neuroblastoma apoptosis-related RNA-binding protein antibody, Neuroblastoma apoptosis related RNA binding protein 3 antibody, RNA binding protein BRUNOL3 antibody, RNA-binding protein BRUNOL-3 antibody

UniProt: [O95319](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.