



# Anti-CELF2 (aa 1-198) polyclonal antibody (DPABH-01974)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 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.
<b>Immunogen</b>	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 1 and 198 of Human Elav-type RNA-binding protein ETR3 (UniProt ID: O95319).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified

<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Buffer</b>	pH: 7.40; Constituents: 1.4% Sodium phosphate, 1.7% Sucrose, 0.88% Sodium chloride, 0.1% BSA
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CELF2 CUGBP, Elav-like family member 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CELF2
<b>Synonyms</b>	CELF2; CUGBP, Elav-like family member 2; ETR3; ETR-3; NAPOR; CUGBP2; BRUNOL3; CUGBP Elav-like family member 2; CELF-2; CUG-BP2; bruno-like protein 3; RNA-binding protein BRUNOL-3; CUG-BP- and ETR-3-like factor 2; ELAV-type RNA-binding protein 3; CUG triplet repeat RNA-binding protein 2; neuroblastoma apoptosis-related RNA-binding protein;
<b>Entrez Gene ID</b>	<a href="#">10659</a>
<b>Protein Refseq</b>	<a href="#">NP_001020247.1</a>
<b>UniProt ID</b>	<a href="#">O95319</a>
<b>Pathway</b>	mRNA processing;
<b>Function</b>	RNA binding; nucleotide binding; poly(A) RNA binding;