Human/Mouse/Rat CUGBP1/CELF1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 850717

Catalog Number: FAB9388G

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human CUGBP1/CELF1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 850717
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human CUGBP1/CELF1 Met1-Gly60 Accession # Q92879
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CELF-1 is a highly conserved, ubiquitous protein which binds pre-mRNA in the nucleus to mediate alternative splicing to produce alternative transcripts in tissue-specific and developmentally regulated events. In the cytoplasm, CELF-1 binds to GRE-containing transcripts which are rapidly degraded. Additionally, cytoplasmic CELF-1 binds to untranslated regions of transcripts for stability and translation efficiency. Many transcripts targeted by CELF-1 show rapid up-regulation leading to cellular activation or proliferation, while others show down-regulation. CELF-1 has also been shown to localize to cytoplasmic stress granules when cells are stressed. This gene is associated with myotonic dystrophy type 1 (DM1) disease though interactions with the dystrophia myotnica-protein kinase (DMPK) gene.

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