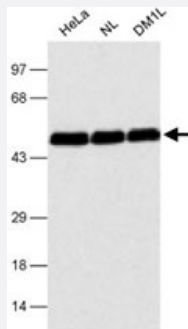


CUGBP1 monoclonal antibody, clone 3B1

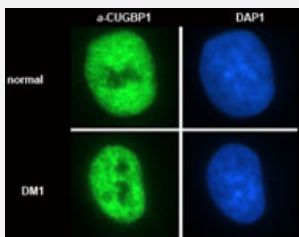
Catalog # MAB2351 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot Analysis detection of CUGBP1 in several cell lysates using CUGBP1 monoclonal antibody, clone 3B1 (Cat #MAB2351).



Immunofluorescence

Detection of the subcellular distribution of CUGBP1 (nuclear, non-nucleolar) in normal and DM1 (dystrophia myotonica) myoblasts using CUGBP1 monoclonal antibody, clone 3B1 (Cat #MAB2351).

Specification

Product Description Mouse monoclonal antibody raised against CUGBP1.

Immunogen Human CUGBP1.

Host Mouse

Reactivity Bovine, Human, Mouse, Pig, Rabbit, Rat

Specificity This antibody is specific to human CUG-BP1.

Form Liquid

Isotype IgG1, kappa

Recommend Usage	Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot Analysis detection of CUGBP1 in several cell lysates using CUGBP1 monoclonal antibody, clone 3B1 (Cat #MAB2351).

- Immunofluorescence

Detection of the subcellular distribution of CUGBP1 (nuclear, non-nucleolar) in normal and DM1 (dystrophia myotonica) myoblasts using CUGBP1 monoclonal antibody, clone 3B1 (Cat #MAB2351).

Gene Info — CUGBP1

Entrez GeneID	10658
Protein Accession#	Q92879
Gene Name	CUGBP1
Gene Alias	BRUNOL2, CUG-BP, CUGBP, NAB50, hNab50
Gene Description	CUG triplet repeat, RNA binding protein 1
Omim ID	601074
Gene Ontology	Hyperlink
Gene Summary	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 dystrophia myotonica-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

CUG RNA-binding protein|CUG triplet repeat, RNA-binding protein 1|bruno-like 2|nuclear polyadenylated RNA-binding protein, 50-kD

Publication Reference

- [Inactivation of CUG-BP1/CELF1 causes growth, viability, and spermatogenesis defects in mice.](#)

Kress C, Gautier-Courteille C, Osborne HB, Babinet C, Paillard L.

Molecular Biology of the Cell 2007 Feb; 27(3):1146.

Application: IHC-P, WB, Mouse, Mouse fibroblasts, testis

- [Identification of a \(CUG\)_n triplet repeat RNA-binding protein and its expression in myotonic dystrophy.](#)

Timchenko LT, Miller JW, Timchenko NA, DeVore DR, Datar KV, Lin L, Roberts R, Caskey CT, Swanson MS.

Nucleic Acids Research 1996 Nov; 24(22):4407.

Application: IF, IP, WB-Ce, Chicken, Mouse, Human, Rabbit, Yeast, BJ926, CEF, HeLa, NIH/3T3, RK13, XL1 cells