

MBNL3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13080c**Specification**

MBNL3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9NUK0
Other Accession	NP_001164174.1 , NP_001164173.1 , NP_597846.1 , NP_001164175.1 , NP_001164172.1 , NP_060858.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38532
Antigen Region	251-280

MBNL3 Antibody (Center) - Additional Information**Gene ID** 55796**Other Names**

Muscleblind-like protein 3, Cys3His CCG1-required protein, Muscleblind-like X-linked protein, Protein HCHCR, MBNL3, CHCR, MBLX39, MBXL

Target/Specificity

This MBNL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 251-280 amino acids from the Central region of human MBNL3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MBNL3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MBNL3 Antibody (Center) - Protein Information**Name** MBNL3

Synonyms CHCR, MBLX39, MBXL

Function Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) pre-mRNA exon inclusion but induces insulin receptor (IR) pre-mRNA exon inclusion in muscle. Antagonizes the alternative splicing activity pattern of CELF proteins. May play a role in myotonic dystrophy pathophysiology (DM). Could inhibit terminal muscle differentiation, acting at approximately the time of myogenin induction.

Cellular Location

Nucleus. Cytoplasm. Note=Greater concentration in the nucleus. In both DM1 and DM2 patients, colocalizes with nuclear foci of retained expanded-repeat transcripts

Tissue Location

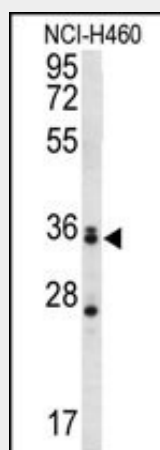
Highly expressed in the placenta.

MBNL3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MBNL3 Antibody (Center) - Images



MBNL3 Antibody (Center) (Cat. #AP13080c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MBNL3 antibody detected the MBNL3 protein (arrow).

MBNL3 Antibody (Center) - Background

This gene encodes a member of the muscleblind-like family of proteins. The encoded protein may function in regulation of alternative splicing and may play a role in the pathophysiology of myotonic dystrophy. Alternatively spliced transcript variants have

been described.

MBNL3 Antibody (Center) - References

Holt, I., et al. Am. J. Pathol. 174(1):216-227(2009)
Self, J.E., et al. Mol. Vis. 12, 1211-1216 (2006) :
Ho, T.H., et al. EMBO J. 23(15):3103-3112(2004)
Squillace, R.M., et al. Dev. Biol. 250(1):218-230(2002)
Fardaei, M., et al. Hum. Mol. Genet. 11(7):805-814(2002)