

**MBNL3 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13080c****Specification**

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**MBNL3 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9NUK0](#)**MBNL3 Antibody (Center) Blocking peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MBNL3 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**MBNL3 Antibody (Center) Blocking peptide - Images****MBNL3 Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)