10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 familyof proteins. The encoded protein may function in regulation ofalternative splicing and may play a role in the pathophysiology ofmyotonic dystrophy. Alternatively spliced transcript variants havebeen 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)