

HNRNPC Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10728b**Specification**

HNRNPC Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P07910](#)**HNRNPC Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 3183**Other Names**

Heterogeneous nuclear ribonucleoproteins C1/C2, hnRNP C1/C2, HNRNPC, HNRPC

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.

HNRNPC Antibody (C-term) Blocking peptide - Protein Information**Name** HNRNPC**Synonyms** HNRPC**Function**

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed:8264621). Interacts with poly-U tracts in the 3'-UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules (PubMed:12509468, PubMed:16010978, PubMed:7567451, PubMed:8264621). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides (PubMed:8264621). May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. N6-methyladenosine (m6A) has been shown to alter the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671).

Cellular Location

Nucleus. Note=Component of ribonucleosomes

HNRNPC Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HNRNPC Antibody (C-term) Blocking peptide - Images**HNRNPC Antibody (C-term) Blocking peptide - Background**

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNA in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene can act as a tetramer and is involved in the assembly of 40S hnRNP particles. Multiple transcript variants encoding at least two different isoforms have been described for this gene. [provided by RefSeq].

HNRNPC Antibody (C-term) Blocking peptide - References

Konig, J., et al. Nat. Struct. Mol. Biol. 17(7):909-915(2010) Lee, E.K., et al. Nat. Struct. Mol. Biol. 17(6):732-739(2010) Brunner, J.E., et al. Virology 400(2):240-247(2010) Ertel, K.J., et al. J. Virol. 84(9):4229-4242(2010) Mosessian, S., et al. J. Biol. Chem. 284(44):30159-30166(2009)