

**hnRNP C1/C2 Antibody**  
Rabbit mAb  
Catalog # AP90682

## Specification

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### hnRNP C1/C2 Antibody - Product Information

Application **WB, IHC, FC, ICC, IP**  
Primary Accession **[P07910](#)**  
Reactivity **Rat**  
Clonality **Monoclonal**

#### Other Names

HNRNPC; HNRPC; Heterogeneous nuclear ribonucleoproteins C1/C2; ROC; hnRNP C1 / hnRNP C2; hnRNP-C1/C2;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **33670 Da**

### hnRNP C1/C2 Antibody - Additional Information

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human hnRNP C1/C2**

Description **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-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport.**

Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

### hnRNP C1/C2 Antibody - Protein Information

**Name** HNRNPC

**Synonyms** HNRPC

#### Function

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed:<a href="http://www.uniprot.org/citations/8264621" target="\_blank">8264621</a>). 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:<a href="http://www.uniprot.org/citations/12509468" target="\_blank">12509468</a>, PubMed:<a href="http://www.uniprot.org/citations/16010978" target="\_blank">16010978</a>, PubMed:<a href="http://www.uniprot.org/citations/7567451" target="\_blank">7567451</a>, PubMed:<a href="http://www.uniprot.org/citations/8264621" target="\_blank">8264621</a>). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides (PubMed:<a href="http://www.uniprot.org/citations/8264621" target="\_blank">8264621</a>). 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:<a href="http://www.uniprot.org/citations/25719671" target="\_blank">25719671</a>).

### Cellular Location

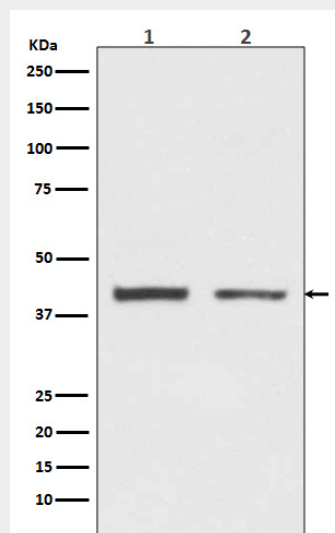
Nucleus. Note=Component of ribonucleosomes

### hnRNP C1/C2 Antibody - 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](#)

### hnRNP C1/C2 Antibody - Images



Western blot analysis of hnRNP C1/C2 expression in (1) HeLa cell lysate; (2) HepG2 cell lysate.