

**hnRNP C1/2 Polyclonal Antibody**  
Catalog # AP70377**Specification****hnRNP C1/2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P07910</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**hnRNP C1/2 Polyclonal Antibody - Additional Information****Gene ID** 3183**Other Names**

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**hnRNP C1/2 Polyclonal Antibody - Protein Information****Name** HNRNPC**Synonyms** HNRPC**Function**

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

#### Cellular Location

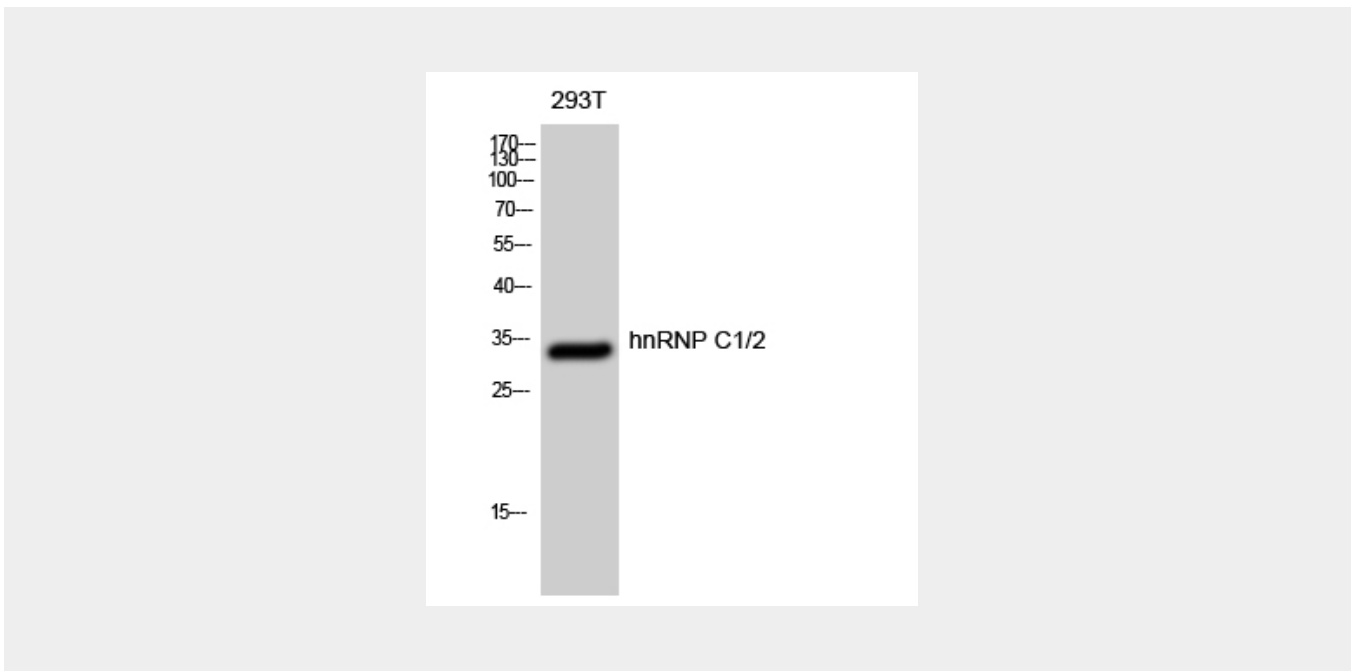
Nucleus. Note=Component of ribonucleosomes

#### hnRNP C1/2 Polyclonal 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 C1/2 Polyclonal Antibody - Images



#### hnRNP C1/2 Polyclonal Antibody - Background

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).