

**Anti-hNRNP C Antibody**  
Rabbit polyclonal antibody to hNRNP C  
Catalog # AP60015

### Specification

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#### Anti-hNRNP C Antibody - Product Information

Application	WB, IF
Primary Accession	<a href="#">P07910</a>
Reactivity	Human, Rabbit, Monkey, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33670

#### Anti-hNRNP C Antibody - Additional Information

Gene ID 3183

#### Other Names

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

#### Target/Specificity

Recognizes endogenous levels of hNRNP C protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

#### Anti-hNRNP C 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/7567451" target="\_blank">7567451</a>, PubMed: <a href="http://www.uniprot.org/citations/7567451" target="\_blank">7567451</a>).

[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:[25719671](http://www.uniprot.org/citations/25719671)).

#### Cellular Location

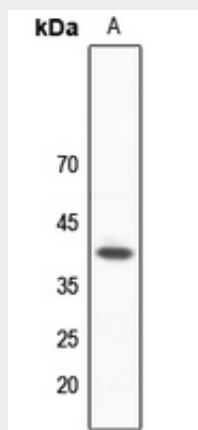
Nucleus. Note=Component of ribonucleosomes

#### Anti-hNRNP C Antibody - Protocols

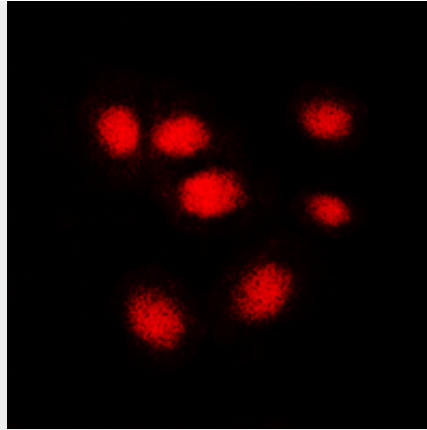
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-hNRNP C Antibody - Images



Western blot analysis of hNRNP C expression in HeLa (A) whole cell lysates.



Immunofluorescent analysis of hNRNP C staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-hNRNP C Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human hNRNP C. The exact sequence is proprietary.