

HNRNPC / HNRNP C Antibody (aa241-290)
Rabbit Polyclonal Antibody
Catalog # ALS15100**Specification**

HNRNPC / HNRNP C Antibody (aa241-290) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P07910
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

HNRNPC / HNRNP C Antibody (aa241-290) - Additional Information**Gene ID** 3183**Other Names**

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

Target/Specificity

hnRNP C1/C2 Antibody detects endogenous levels of total hnRNP C1/C2 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

HNRNPC / HNRNP C Antibody (aa241-290) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRNPC / HNRNP C Antibody (aa241-290) - 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:7567451).

[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

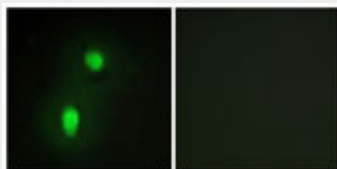
Volume

50 µl

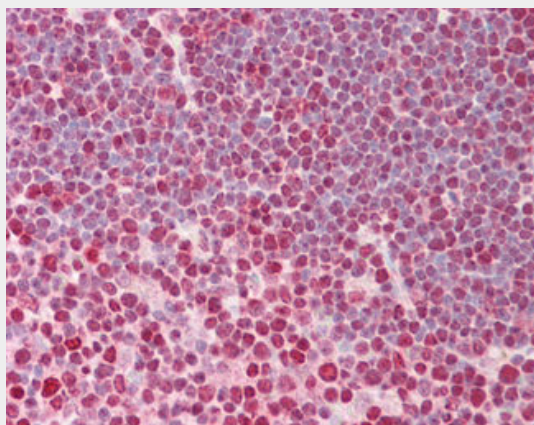
HNRNPC / HNRNP C Antibody (aa241-290) - Protocols

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](#)

HNRNPC / HNRNP C Antibody (aa241-290) - Images

Immunofluorescence of HUVEC cells, using hnRNP C1/C2 Antibody.



Anti-HNRNPC / HNRPC antibody IHC of human thymus.

HNRNPC / HNRNP C Antibody (aa241-290) - Background

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles. Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. 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.

HNRNPC / HNRNP C Antibody (aa241-290) - References

Burd C.G., et al. Proc. Natl. Acad. Sci. U.S.A. 86:9788-9792(1989).
Swanson M.S., et al. Mol. Cell. Biol. 7:1731-1739(1987).
Li W.B., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.