

# hnRNP C1/2 (phospho Ser260) Polyclonal Antibody

Catalog # AP67682

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P07910</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	33670

## Additional Information

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<b>Gene ID</b>	3183
<b>Other Names</b>	HNRNPC; HNRPC; Heterogeneous nuclear ribonucleoproteins C1/C2; hnRNP C1/C2
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

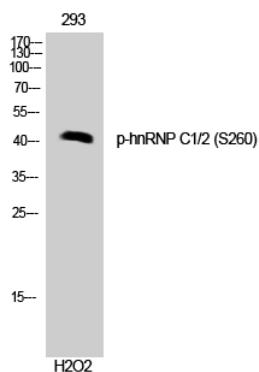
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<b>Name</b>	HNRNPC
<b>Synonyms</b>	HNRPC
<b>Function</b>	Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed: <a href="#">8264621</a> ). Interacts with poly-U tracts in the 3'-UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules (PubMed: <a href="#">12509468</a> , PubMed: <a href="#">16010978</a> , PubMed: <a href="#">7567451</a> , PubMed: <a href="#">8264621</a> ). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides (PubMed: <a href="#">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="#">25719671</a> ).
<b>Cellular Location</b>	Nucleus. Note=Component of ribonucleosomes

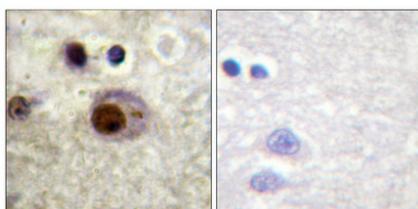
## Background

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](#)).

## Images



Western Blot analysis of 293 cells using Phospho-hnRNP C1/2 (S260) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.