

hnRNP C1/2 (phospho Ser260) Polyclonal Antibody

Catalog # AP67682

Specification

hnRNP C1/2 (phospho Ser260) Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host

WB. IHC-P P07910 Human, Mouse, Rat Rabbit **Polyclonal**

hnRNP C1/2 (phospho Ser260) Polyclonal Antibody - Additional Information

Gene ID 3183

Other Names

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

Dilution

Clonality

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

Format

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

Storage Conditions

-20°C

hnRNP C1/2 (phospho Ser260) Polyclonal Antibody - 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: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 (IncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671).

Cellular Location

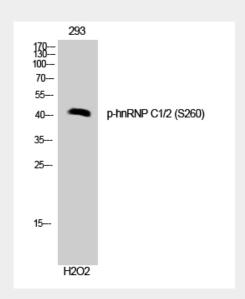
Nucleus. Note=Component of ribonucleosomes

hnRNP C1/2 (phospho Ser260) Polyclonal Antibody - Protocols

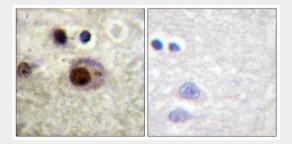
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

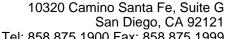
hnRNP C1/2 (phospho Ser260) Polyclonal Antibody - Images



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,pH8.0 was used for antigen





Tel: 858.875.1900 Fax: 858.875.1999

retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide. hnRNP C1/2 (phospho Ser260) 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 (IncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671).