

Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody
Catalog # ABO14082**Specification**

Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P07910
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 3183

Other Names

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

Calculated MW

33670 MW KDa

Application Details

WB 1:5000-1:20000
IHC 1:100-1:500
ICC/IF 1:100-1:500
IP 1:50
FC 1:50

Subcellular Localization

Nucleus. Component of ribonucleosomes.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human hnRNP C1/C2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-hnRNP C1/C2 Rabbit Monoclonal 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 (lncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671).

Cellular Location

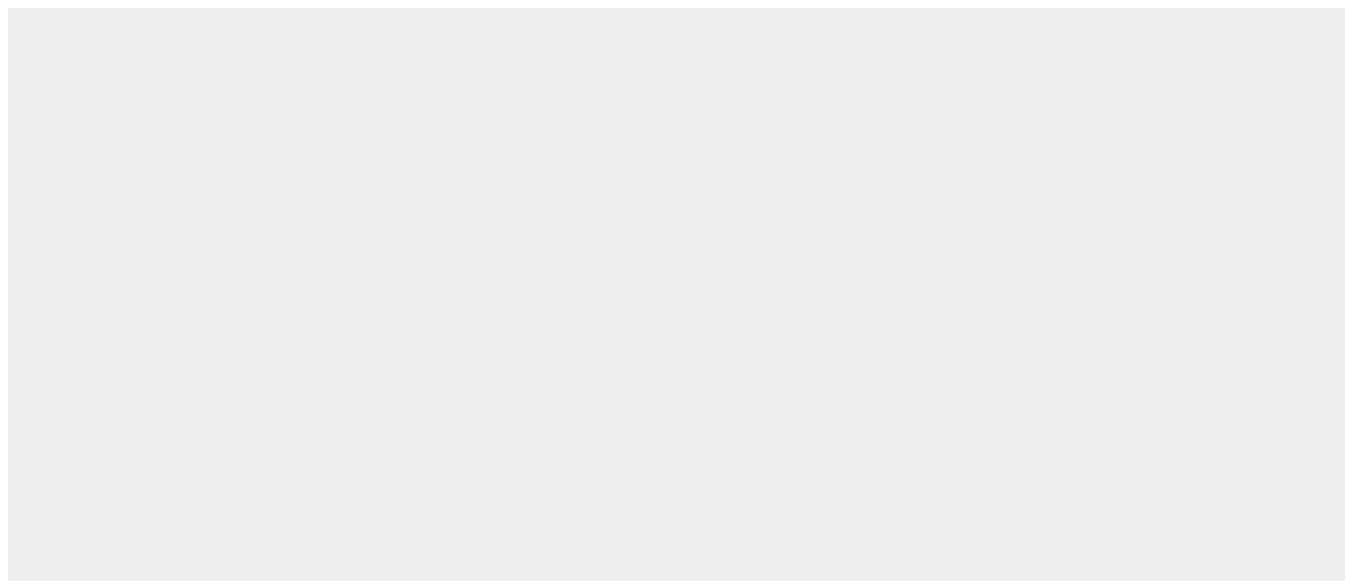
Nucleus. Note=Component of ribonucleosomes

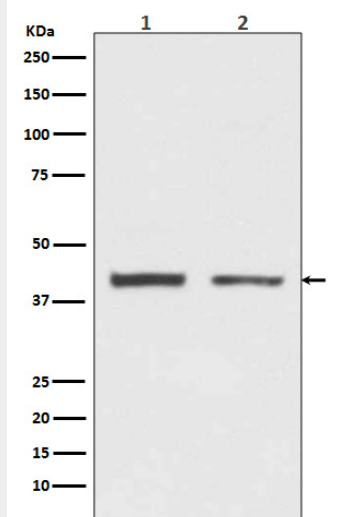
Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody - Protocols

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

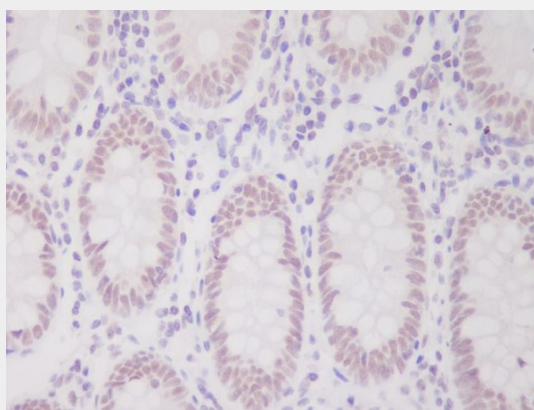
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody - Images





Western blot analysis of hnRNP C1/C2 expression in (1) HeLa cell lysate; (2) HepG2 cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using hnRNP C1/C2 Antibody.