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hnRNP C1/C2 Antibody

Rabbit mAb
Catalog # AP90682

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P07910
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	HNRNPC; HNRPC; Heterogeneous nuclear ribonucleoproteins C1/C2; ROC; hnRNP C1 / hnRNP C2; hnRNP-C1/C2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	33670

Additional Information

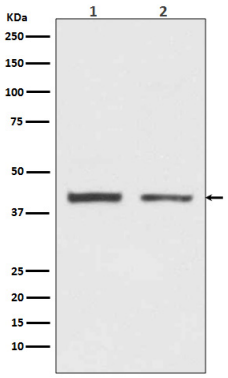
Dilution	WB 1:5000~1:20000 IHC 1:100~1:200 ICC/IF 1:100~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human hnRNP C1/C2
Description	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



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

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

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