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Anti-hnRNP C1/C2 Rabbit Monoclonal Antibody

Catalog # ABO14082

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.

Additional Information

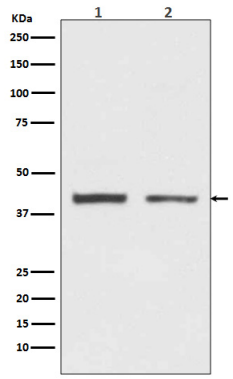
Gene ID	3183
Other Names	Heterogeneous nuclear ribonucleoproteins C1/C2, hnRNP C1/C2, HNRNPC, HNRPC
Calculated MW	33670
Application Details	WB 1:5000-1:20000 IHC 1:100-1:500 ICC/IF 1:100-1:500 IP 1:50 FC 1:50
Subcellular Localization	Nucleus. Component of ribonucleosomes.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: FEB-8
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.

Protein Information

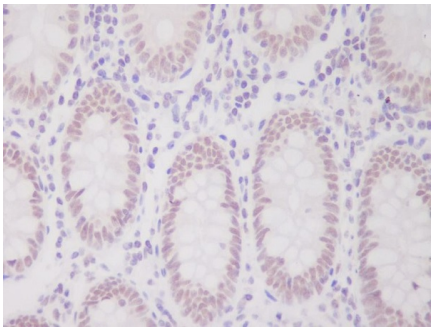
Name	HNRNPC

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.



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

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