

RACO0191

Product Information

Size:

50ul

Reactivity:

Human

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IF, FC, IP

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200, IP:1:200-1:1000

Protein Background:

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles . 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 . Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides . 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 .

Gene ID:

HNRNPC

Uniprot

P07910

Synonyms:

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

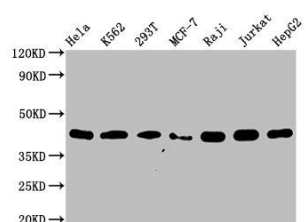
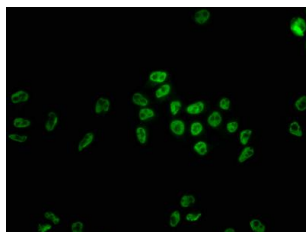
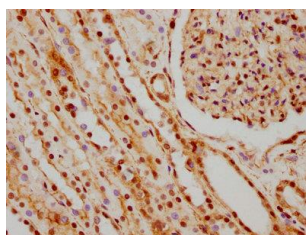
Immunogen:

A synthesized peptide derived from human HNRNPC.

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



IHC image of RACO0191 diluted at 1:66.35 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Immunofluorescence staining of HeLa cells with RACO0191 at 1:22, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Western Blot

Positive WB detected in(HeLa whole cell lysate) K562 whole cell lysate) 293T whole cell lysate) MCF-7 whole cell lysate) Raji whole cell lysate) Jurkat whole cell lysate) HepG2 whole cell lysate) All lanes: hnRNP C1 + C2 antibody at 0.66µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 34, 33, 26, 28 KDa

Observed band size: 42 KDa