

hnRNP C1/C2 (PTR1336) Mouse mAb

CatalogNo: YM4750

Orthogonal Validated 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat, Monkey, Rabbit, Orangutan,

Applications

- WB, IF, ELISA

MW

- 33kD (Calculated)
- 38,42kD (Observed)

Isotype

- IgG2b, Kappa

Recommended Dilution Ratios

WB 1:500-2000**IF 1:100-500****ELISA 1:1000-5000**

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality

Monoclonal

Clone Number

PTR1336

Immunogen Information

Immunogen

Synthesized peptide derived from human hnRNP C1/C2. AA range:200-300

Specificity

This antibody detects endogenous levels of hnRNP C1/C2.

Target Information

Gene name HNRNPC

Protein Name Heterogeneous nuclear ribonucleoproteins C1/C2

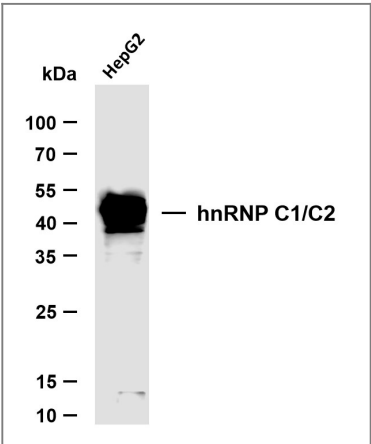
Organism	Gene ID	UniProt ID
Human	3183 ;	P07910 ;
Rat		P17132 ;

Cellular Localization Nuclear

Tissue specificity Blood vessels- blood vessel,Bone marrow,Brain,Cajal

Function Function: Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles. 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. 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.,PTM: Phosphorylated on Ser-260 and Ser-299 in resting cells. Phosphorylated on Ser-253 and on 1 serine residue in the poly-Ser stretch at position 238 in response to hydrogen peroxide.,PTM: Sumoylated. Sumoylation reduces affinity for mRNA.,similarity: Belongs to the RRM HNRPC family. RALY subfamily.,similarity: Contains 1 RRM (RNA recognition motif) domain.,subcellular location: Component of ribonucleosomes.,subunit: Tetramer composed of 3 copies of isoform C1 and 1 copy of isoform C2. Assembly of 3 tetramers with bound pre-mRNA gives rise to a 19S complex that interacts with HNRNPA2B1 tetramers. Component of the 40S hnRNP particle. Identified in the spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29, CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX48, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, FRG1, GPATC1, HNRNPA1, HNRNPA2B1, HNRPA3, HNRNPC, HNRPF, HNRPH1, HNRPK, HNRPM, HNRNPR, HNRNPU, KIAA1160, KIAA1604, LSM2, LSM3, MAGOH, MORG1, PABPC1, PLRG1, PNN, PPIE, PPIL1, PPIL3, PPWD1, PRPF19, PRPF4B, PRPF6, PRPF8, RALY, RBM22, RBM8A, RBMX, SART1, SF3A1, SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SFRS1, SKIV2L2, SNRPA1, SNRPB, SNRPB2, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF, SNRPG, SNW1, SRRM1, SRRM2, SYF2, SYNCRIP, TFIP11, THOC4, U2AF1, WDR57, XAB2 and ZCCHC8.,

Validation Data



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-hnRNP C1/C2 (PTR1336) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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(PTR1336) Mouse
mAb**

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