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Anti-HNRNPC / HNRNP C Antibody (clone 4F4)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18004

Specification

Anti-HNRNPC / HNRNP C Antibody (clone 4F4) - Product Information

Application	**WB, IHC-P, IF, E, IP**
Primary Accession	P07910
Predicted	**Human, Hamster, Monkey, Chicken**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**33670**

Anti-HNRNPC / HNRNP C Antibody (clone 4F4) - Additional Information

Gene ID 3183

Alias Symbol	**HNRNPC**

Other Names
HNRNPC, HNRPC, HnRNP C1/C2, HNRNP

Target/Specificity
This antibody recognizes the two HNRNP C proteins of 41kD (C1) and 43kD (C2) in human cells, and the corresponding proteins in monkey, hamster and chicken.

Reconstitution & Storage
Protein A purified

Precautions
Anti-HNRNPC / HNRNP C Antibody (clone 4F4) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-HNRNPC / HNRNP C Antibody (clone 4F4) - 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-HNRNPC / HNRNP C Antibody (clone 4F4) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HNRNPC / HNRNP C Antibody (clone 4F4) - Images