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

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18004

Product Information

Application	WB, IHC-P, IF, E, IP
Primary Accession	P07910
Predicted	Human, Hamster, Monkey, Chicken
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	4F4
Calculated MW	33670
Concentration (mg/ml)	1 mg/ml

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.

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

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