

Immunotag™ hnRNP C1/C2 Antibody

Antibody Specification	
Catalog No.	ITA1434
Product Description	Immunotag™ hnRNP C1/C2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	hnRNP C1/C2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human hnRNP C1/C2
Specificity	hnRNP C1/C2 Antibody detects endogenous levels of total hnRNP C1/C2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	HNRNPC
Accession No.	P07910
Alternate Names	C1; C2; Heterogeneous nuclear ribonucleoprotein C (C1/C2); Heterogeneous nuclear ribonucleoprotein C; Heterogeneous nuclear ribonucleoproteins C1/C2; HNRNP; hnRNP C1 / hnRNP C2; hnRNP C1/C2; Hnrnpc; HNRPC; HNRPC_HUMAN; MGC104306; MGC105117; MGC117353; MGC131677; Nuclear ribonucleoprotein particle C1 protein; Nuclear ribonucleoprotein particle C2 protein; SNRPC;

Antibody Specification

Description	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 'm6A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	33 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.