

HNRNPC recombinant antibody

HNRNPC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA235556	Rabbit	Human	Immunoprecipitation, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

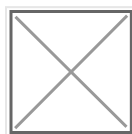
PRODUCT SYNONYMS

HNRNPC; Monoclonal Recombinant Antibody; HNRNPC Antibody; Heterogeneous nuclear ribonucleoproteins C1/C2; hnRNP C1/C2; HNRPC; HNRNPC recombinant antibody

PRODUCT SPECIFICATIONS

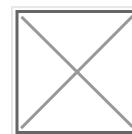
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-Chromatography
Form/Format	Liquid; In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	306
Applicable Applications for HNRNPC recombinant antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from human HNRNPC
Conjugate	Non-Conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay histogram showing MCF-7 cells stained with CSB-RA010605A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 degree C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



IP (Immunoprecipitation)

Immunoprecipitating hnRNP C1 + C2 in HeLa whole cell lysate Lane 1: Rabbit control IgG instead of CSB-RA010605A0HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: CSB-RA010605A0HU (3ug) + HeLa whole cell lysate (500ug) Lane 3: HeLa whole cell lysate (20ug)



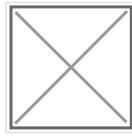
IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with CSB-RA010605A0HU 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of CSB-RA010605A0HU 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

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 0.66ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 34, 33, 26, 28 kDa. Observed band size: 42 kDa.

ADDITIONAL INFORMATION

Related Product Information for HNRNPC recombinant antibody	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).
Product Categories/Family for HNRNPC recombinant antibody	Recombinant Antibody ; Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	117190192
NCBI GeneID	3183
NCBI Accession #	NP_001070910.1
NCBI GenBank Nucleotide #	NM_001077442.1
UniProt Accession #	P07910 ; P22628 ; Q53EX2 ; Q59FD3 ; Q5FWE8 ; Q86SF8 ; Q86U45 ; Q96HK7 ; Q96HM4 ; Q96IY5 ; D3DS19 ; D3DS22
Molecular Weight	32,338 Da
NCBI Official Full Name	heterogeneous nuclear ribonucleoproteins C1/C2 isoform a
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein C (C1/C2)
NCBI Official Symbol	HNRNPC
NCBI Official Synonym Symbols	C1; C2; HNRNP; HNRPC; SNRPC
NCBI Protein Information	heterogeneous nuclear ribonucleoproteins C1/C2
UniProt Protein Name	Heterogeneous nuclear ribonucleoproteins C1/C2
UniProt Gene Name	HNRNPC
UniProt Synonym Gene Names	HNRPC; hnRNP C1/C2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hnrnpc-recombinant-antibody-immunoprecipitation-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/235556>