

HNRNPC antibody

Product Information

Catalog No.:	FNab03949
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles(PubMed:8264621). Specifically recognizes and binds N6-methyladenosine(m6A)-containing RNAs, a modification present at internal sites of mRNAs that affects mRNA splicing, processing and stability. M6A alters the local structure in mRNAs and long non-coding RNAs(lncRNAs) via a mechanism named 'm(6)A-switch' to facilitate binding of HNRNPC, leading to regulation of mRNA splicing(PubMed:25719671). 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(PubMed:12509468, PubMed:16010978, PubMed:7567451, PubMed:8264621).

Immunogen information

Immunogen:	heterogeneous nuclear ribonucleoprotein C(C1/C2)
Synonyms:	Heterogeneous nuclear ribonucleoproteins C1/C2 (hnRNP C1/C2) HNRNPC HNRPC
Observed MW:	32 kDa
Uniprot ID :	P07910

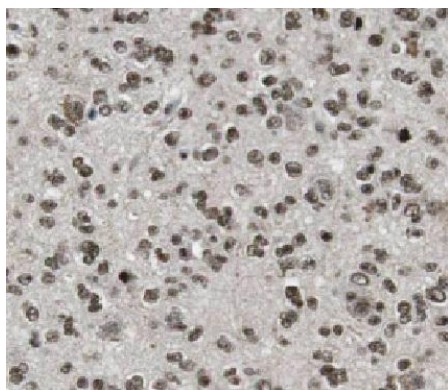
Application

Reactivity:	Human, Mouse, Rat
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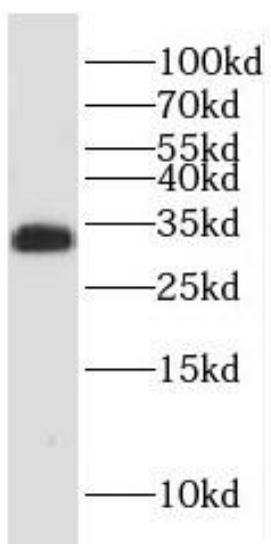
Tested Application: ELISA, WB, IHC, IF, FC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human lymphoma using FNab03949(HNRNPC antibody) at dilution of 1:100



HeLa cells were subjected to SDS PAGE followed by western blot with FNab03949(HNRNPC antibody) at dilution of 1:500