

For Research Use Only

# HNRNPC Monoclonal antibody

Catalog Number: 68447-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 68447-1-Ig	<b>GenBank Accession Number:</b> BC003394	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3183	<b>CloneNo.:</b> 2G8G4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07910	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> heterogeneous nuclear ribonucleoprotein C (C1/C2)	IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Immunogen Catalog Number:</b> AG2356	<b>Calculated MW:</b> 32 kDa	IF/ICC: 1:200-1:800
	<b>Observed MW:</b> 36-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF	<b>WB :</b> U2OS cells, A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Species Specificity:</b> Human, mouse , rat	<b>IP :</b> HeLa cells,
	<b>IF/ICC :</b> HeLa cells,

## Background Information

HNRNPC, also named as Heterogeneous nuclear ribonucleoproteins C1/C2, is a 306 amino acid protein, which contains 1 RRM (RNA recognition motif) domain and belongs to the RRM HNRPC family. HNRNPC localizes in the nucleus. It binds pre-mRNA and nucleates the assembly of 40S hnRNP particles. HNRNPC may play a role in the early steps of spliceosome assembly and pre-mRNA splicing. HNRNPC can act as a tetramer and is involved in the assembly of 40S hnRNP particles and plays a role with CSDE1 in internal initiation of translation during mitosis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuezhou Zhang	39735682	Oncol Res	IF

## Storage

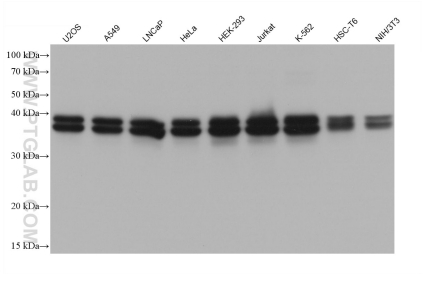
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

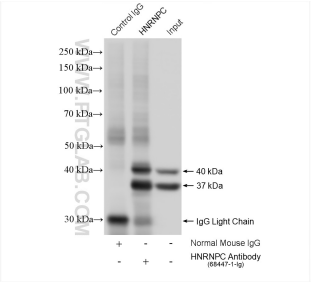
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

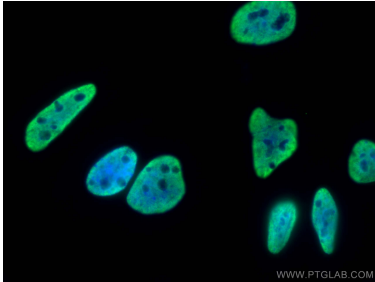
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68447-1-Ig (HNRNPC antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-HNRNPC (IP:68447-1-Ig, 4ug; Detection:68447-1-Ig 1:4000) with HeLa cells lysate 1560 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPC antibody (68447-1-Ig, Clone: 2G8G4 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).