

For Research Use Only

HNRNPC Polyclonal antibody

Catalog Number: 11760-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number:

11760-1-AP

Size:

150ul, Concentration: 350 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2356

GenBank Accession Number:

BC003394

GeneID (NCBI):

3183

UNIPROT ID:

P07910

Full Name:

heterogeneous nuclear ribonucleoprotein C (C1/C2)

Calculated MW:

32 kDa

Observed MW:

32 kDa, 36-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF 1:200-1:800

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, RIP, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, human brain tissue, K-562 cells, HepG2 cells, MCF-7 cells

IP: HeLa cells,

IHC: mouse colon tissue, human lymphoma tissue

IF: 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
Li Wang	36255739	Hum Mol Genet	WB
Li-Chong Wang	33134160	Front Oncol	WB,IHC
Fanhua Kong	36434140	Discov Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

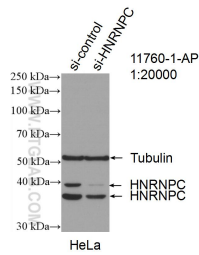
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

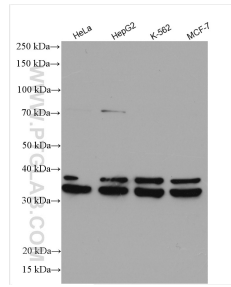
E: proteintech@ptglab.com
W: ptglab.com

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

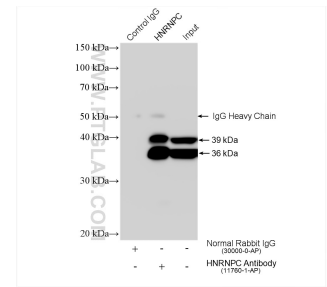
Selected Validation Data



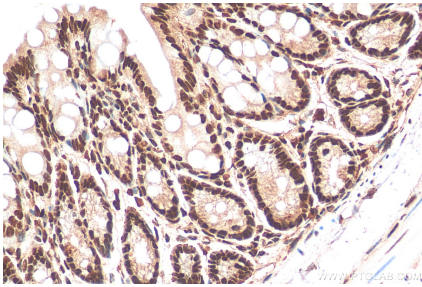
WB result of HNRNPC antibody (11760-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HNRNPC transfected HeLa cells.



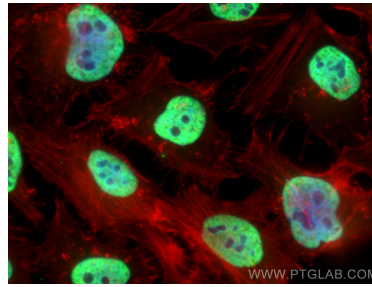
Various lysates were subjected to SDS PAGE followed by western blot with 11760-1-AP (HNRNPC antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



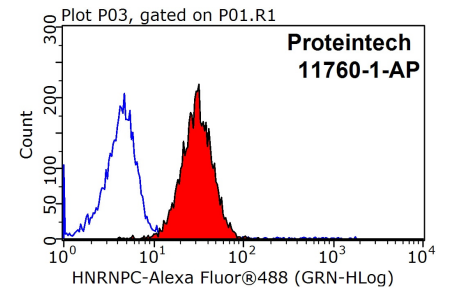
IP result of anti-HNRNPC (IP:11760-1-AP, 4ug; Detection:11760-1-AP 1:10000) with HeLa cells lysate 1360 ug.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 11760-1-AP (HNRNPC antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPC antibody (11760-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10⁶ HeLa cells were stained with 0.2ug HNRNPC antibody (11760-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.