

For Research Use Only

HNRNPK Polyclonal antibody

Catalog Number: 11426-1-AP

Featured Product

47 Publications



Basic Information

Catalog Number:

11426-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1976

GenBank Accession Number:

BC014980

GeneID (NCBI):

3190

UNIPROT ID:

P61978

Full Name:

heterogeneous nuclear ribonucleoprotein K

Calculated MW:

463 aa, 51 kDa

Observed MW:

55-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

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

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, chicken, deer

Positive Controls:

WB: MCF-7 cells,

IP: HeLa cells,

IHC: human breast cancer tissue, mouse brain tissue

IF/ICC: HeLa cells,

FC (Intra): HepG2 cells,

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

Background Information

HNRNPK belongs to the heterogeneous nuclear ribonucleoprotein family of 20 proteins that participate in a wide range of key cellular functions involving many of the pathways implicated, disrupted or dysregulated in tumor development and progression. It is also a conserved pre-mRNA-binding protein that is involved in multiple processes of gene expression, including chromatin remodeling, transcription, and mRNA splicing, translation, and stability.

Notable Publications

Author	Pubmed ID	Journal	Application
Shui-Qiao Q Yuan	36124536	Asian J Androl	WB,IF
Yixin Li	36439880	Int J Biol Sci	WB,IP
Chuan Tian	34741030	Cell Death Dis	IP

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

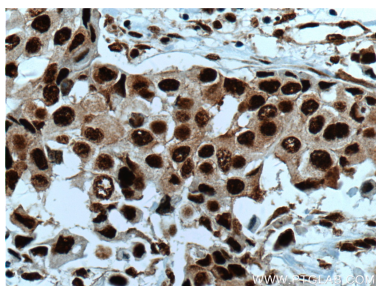
For technical support and original validation data for this product please contact:

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

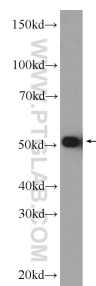
E: proteintech@ptglab.com
W: ptglab.com

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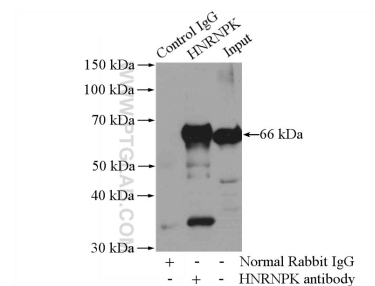
Selected Validation Data



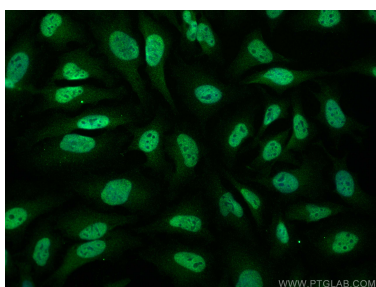
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11426-1-AP (HNRNPK antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



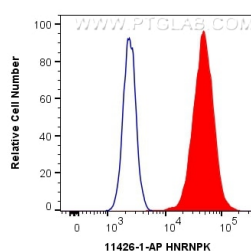
MCF-7 cells were subjected to SDS PAGE followed by western blot with 11426-1-AP (HNRNPK Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



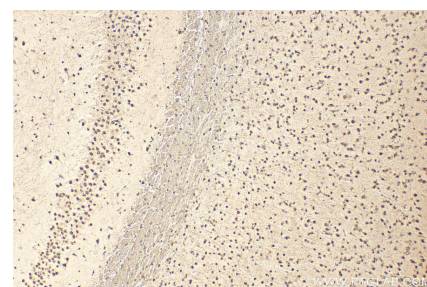
IP result of anti-HNRNPK (IP:11426-1-AP, 4ug; Detection:11426-1-AP 1:1000) with HeLa cells lysate 2000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPK antibody (11426-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human HNRNPK (11426-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11426-1-AP (HNRNPK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).