

For Research Use Only

# HNRNPK Polyclonal antibody

Catalog Number: 11426-1-AP

Featured Product

47 Publications



## Basic Information

### Catalog Number:

11426-1-AP

### Concentration:

650 ug/ml

### 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 10<sup>6</sup> 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

**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: MCF-7 cells,

IP: HeLa cells,

IHC: human breast cancer tissue, mouse brain tissue

IF/ICC: HeLa cells,

FC (Intra): HepG2 cells,

## 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

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

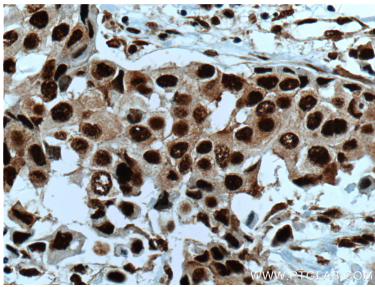
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

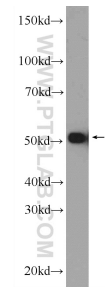
W: [ptgcn.com](http://ptgcn.com)

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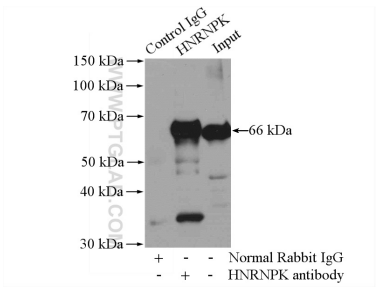
Selected Validation Data



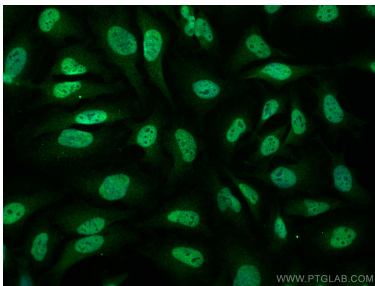
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11426-1-AP (HNRNPK antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



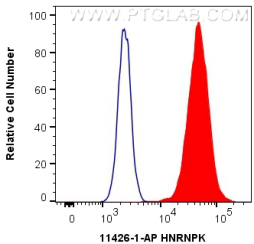
MCF-7 cells were subjected to SDS PAGE followed by western blot with 11426-1-AP (HNRNPK Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



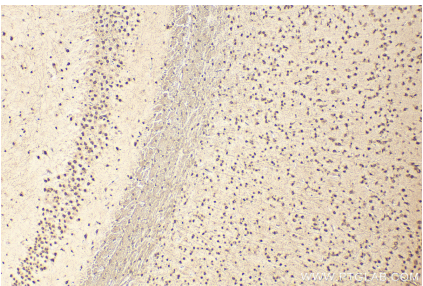
IP result of anti-HNRNPK (IP:11426-1-AP, 4ug; Detection:11426-1-AP 1:1000) with HeLa cells lysate 2000ug.



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).



1X10<sup>6</sup> 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).