

For Research Use Only

# JAK2 Polyclonal antibody

Catalog Number: 17670-1-AP

Featured Product

95 Publications



## Basic Information

### Catalog Number:

17670-1-AP

### Size:

150ul, Concentration: 800 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11264

### GenBank Accession Number:

BC039695

### GeneID (NCBI):

3717

### UNIPROT ID:

O60674

### Full Name:

Janus kinase 2 (a protein tyrosine kinase)

### Calculated MW:

1132 aa, 130 kDa

### Observed MW:

120-130 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, pig, zebrafish

**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: NIH/3T3 cells,

IP: NIH/3T3 cells,

IHC: human kidney tissue, human breast cancer tissue

## Background Information

Janus kinases (JAKs) are non-receptor tyrosine kinases that are activated by cytokine binding to cytokine receptors resulting in stimulation of the JAK-STAT signaling pathway. Aberrant activation of this signaling pathway is associated with numerous immune disorders and cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zelong Gong	36289622	Biomedicines	WB
Yuanyuan Ren	36127737	Cancer Med	WB
Shaofang Chen	28944901	Mol Med Rep	WB

## 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)

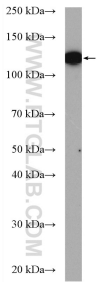
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17670-1-AP (JAK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-JAK2 (IP:17670-1-AP, 4ug; Detection:17670-1-AP 1:300) with NIH/3T3 cells lysate 3440 ug.

NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 17670-1-AP (JAK2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17670-1-AP (JAK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).