

For Research Use Only

JAK2 Polyclonal antibody

Catalog Number: 17670-1-AP

Featured Product

81 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:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse, zebrafish, pig

Positive Controls:

WB: Jurkat cells, NIH/3T3 cells

IP: Jurkat cells,

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. This antibody can detect full-length band of 130 kDa, and another bands 150 kDa after posttranslational modification.

Notable Publications

Author	Pubmed ID	Journal	Application
Zelong Gong	36289622	Biomedicines	WB
Yuan Yuan 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

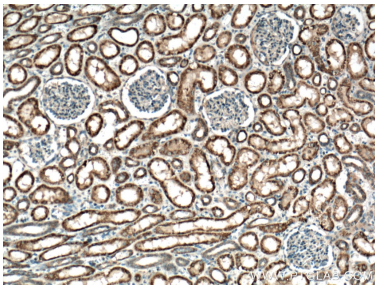
For technical support and original validation data for this product please contact:

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

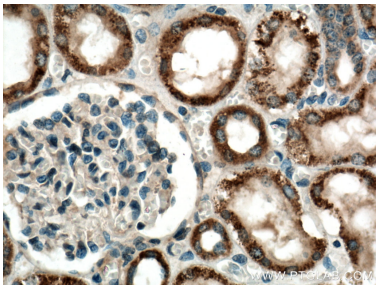
E: proteintech@ptglab.com
W: ptglab.com

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

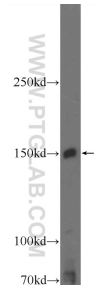
Selected Validation Data



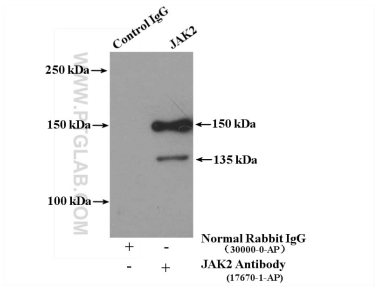
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17670-1-AP (JAK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Jurkat cells were subjected to SDS PAGE followed by western blot with 17670-1-AP (JAK2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-JAK2 (IP:17670-1-AP, 4ug; Detection:17670-1-AP 1:300) with Jurkat cells lysate 3800ug.