

For Research Use Only

JAK2 Polyclonal antibody

Catalog Number: 17670-1-AP

Featured Product

95 Publications



Basic Information

Catalog Number:

17670-1-AP

Concentration:

800 ug/ml

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 ug 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

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

T: 4006900926

E: Proteintech-CN@ptglab.com

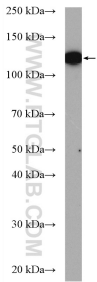
W: ptgcn.com

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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).