

For Research Use Only

JAK2 Polyclonal antibody

Catalog Number: 17670-1-AP

Featured Product

101 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
Kai Yang	34586888	Int J Immunopathol Pharmacol	IHC
Zelong Gong	36289622	Biomedicines	WB
Yuanyuan Ren	36127737	Cancer Med	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)

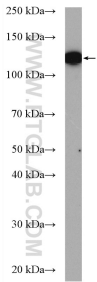
E: proteintech@ptglab.com
W: ptglab.com

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 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).