Basic Information

Catalog Number: 17670-1-AP
Size: 150μL
Concentration: 340 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG11264
GenBank Accession Number: BCO39695
GeneID (NCBI): 3717
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 IP and 1:200-1:1000 for WB
IHC 1:50-1:500

Applications

Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IHC, WB
Species Specificity: human, mouse
Cited Species: human, mouse, rat, zebrafish

Note: IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

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<tr>
<td>Shaofang Chen</td>
<td>28944901</td>
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<td>Jin-Xiao Liang</td>
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<td>Yanlin Song</td>
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Storage

Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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).

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.