

For Research Use Only

# JAK3 Recombinant antibody

Catalog Number: 80331-1-RR **1 Publications**



## Basic Information

<b>Catalog Number:</b> 80331-1-RR	<b>GenBank Accession Number:</b> BC028068	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3718	<b>CloneNo.:</b> 3N1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P52333	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> Janus kinase 3 (a protein tyrosine kinase, Leukocyte)	
	<b>Calculated MW:</b> 1124 aa, 125 kDa	
	<b>Observed MW:</b> 125 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HEK-293 cells, HepG2 cells, K-562 cells, Jurkat cells
<b>Species Specificity:</b> Human	<b>IHC :</b> human lymphoma tissue,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

JAK3 is a non-receptor tyrosine kinase, predominantly expressed in hematopoietic cells and that has been implicated in the signal transduction of the common gamma chain subfamily of cytokine receptors. As a result, JAK3 plays an essential role in hematopoiesis during T cell development. JAK3 belongs to the Janus kinase family of receptor-associated tyrosine kinases located in cytoplasm adjacent to the plasma membrane. (PMID: 19747563, PMID: 33767339)

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengping Li	38352883	Front Immunol	WB

## Storage

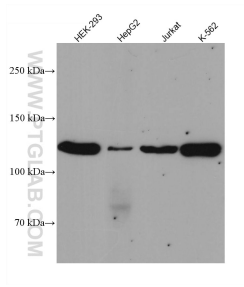
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

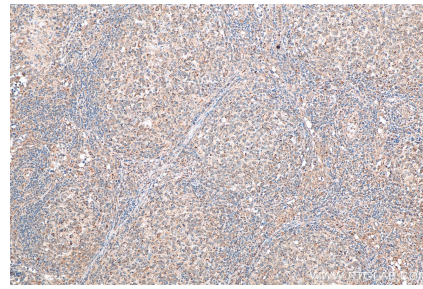
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80331-1-RR (JAK3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 80331-1-RR (JAK3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).