

For Research Use Only

JAK3 Recombinant antibody

Catalog Number: 80331-1-RR

5 Publications



Basic Information

Catalog Number:

80331-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC028068

GeneID (NCBI):

3718

UNIPROT ID:

P52333

Full Name:

Janus kinase 3 (a protein tyrosine kinase, leukocyte)

Calculated MW:

1124 aa, 125 kDa

Observed MW:

125 kDa

Purification Method:

Protein A purification

CloneNo.:

3N1

Recommended Dilutions:

WB 1:2000-1:5000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

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 : HEK-293 cells, HepG2 cells, K-562 cells, Jurkat cells

IHC : human lymphoma tissue,

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
Tian Wen	39340986	Int Immunopharmacol	WB
Szehei Chan	38917875	Gene	IHC
Zhongyi Sun	38894720	Front Genet	IHC

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

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

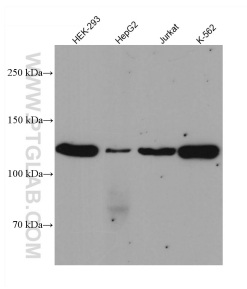
T: 4006900926

E: Proteintech-CN@ptglab.com

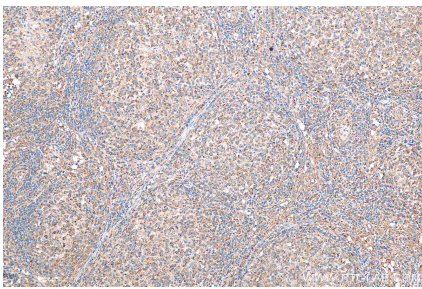
W: ptgcn.com

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Selected Validation Data



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).