

For Research Use Only

JAK1 Monoclonal ANTIBODY



Catalog Number: 66466-1-Ig

2 Publications

Basic Information

Catalog Number:
66466-1-Ig

Size:
150 µg/150 µl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Protein A purification

Immunogen Catalog Number:
AG17940

GenBank Accession Number:
BC132729

GeneID (NCBI):
3716

Full Name:
Janus kinase 1 (a protein tyrosine kinase)

Calculated MW:
1154aa, 133 kDa

Observed MW:
133 kDa

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:100-1:400

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, rat

Cited Species:
human

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

Positive Controls:

WB : Jurkat cells; rat spleen tissue

IHC : human breast cancer tissue; human cervical cancer tissue

Background Information

Janus kinase 1 (JAK1), is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. JAK1 is essential for signaling for certain type I and type II cytokines. JAK1 plays a critical role in initiating responses to multiple major cytokine receptor families. Expression of JAK1 in cancer cells enables individual cells to contract, potentially allowing them to escape their tumor and metastasize to other parts of the body.

Notable Publications

Author	Pubmed ID	Journal	Application
Mingji Li	30096813	Cells	WB
Linna Xie	29805309	Int J Biol Sci	WB

Storage

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

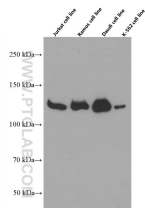
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

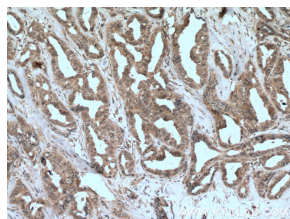
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

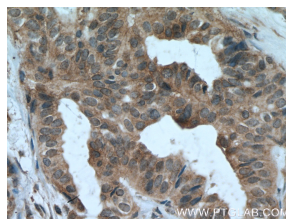
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66466-1-Ig (JAK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 66466-1-Ig(JAK1 antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 66466-1-Ig(JAK1 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).