

# AbboMax, Inc

Innovation at Work

## Rabbit anti-JAK2 (Non-phospho) (Paired1007/1008)

Synonym: Janus Kinase 2

### ANTIGEN PREPARATION

A synthetic peptide surrounding to the epitope -EYYK- without any phosphorylation of JAK2 protein from human, mouse and rat origins .

### BACKGROUND

The Janus tyrosine kinase family is consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its the receptors, the dimerization of the receptors occurs followed by phosphorylation of the receptors. The phosphorylation of receptors recruits the tyrosine kinase physically associated to the dimerized receptors, and the phosphorylate the kinase, thus activates the signal transducer and activator of thrancription (STAT1, 3, 5) and the other signal proteins.

### PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

### SPECIFICITY

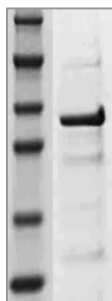
This antibody recognizes JAK2 without phosphorylated sites of Tyr1007/1008. It does not cross-react with phosphospecific peptide.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1-5 µg/ml
Flow cytometry	Not tested

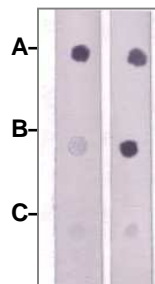
### DATA ATTACHMENTS

250kDa  
150kD  
130kDa  
100kDa  
60kDa  
37kDa



**Western Blot:** The tissue lysate derived from GH stimulated mouse liver was immunoblotted by Rabbit anti JAK2 (Non-phospho,) (Cat#601-670) antibody at 1:500.

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#### Dot Blot:

1 µg peptide was blot onto NC membrane  
A: JAK2 (pY1008, pY1009)  
B: JAK2 (Non phosphospecific)  
C: Non-related Phosphopeptide)  
were blotted at a 1:2000 dilution by:  
1: Rabbit anti-JAK2(pY1008/pY1009), Cat#620-150)  
2: Rabbit anti-JAK2 (Nonphospho specific).

### REFERENCES

Yogev, O., et al. SHP-2 regulates SOCS-1-mediated Janus kinase-2 ubiquitination/degradation downstream of the prolactin receptor. J. Biol. Chem. 278 (52), 52021-52031 (2003)

**FOR RESEARCH USE ONLY.**

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### Order Information

Description: Rabbit anti JAK2 (Non-phospho)  
(Paired 1007/1008)  
Catalogue#: 601-670  
Lot#: See the label  
Size: 100 µg/200 µl  
Host: Rabbit  
Clone: N/A  
Application: ELISA, WB, IHC  
Reactivity: Hu, Rt, Ms.