



## Rabbit anti JAK3 Polyclonal Antibody

Alternative Name(s): Janus kinase 3

### Order Information

- **Description:** JAK3
- **Catalogue:** 600-370
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** WB
- **Reactivity:** Hu, Ms, Rt

### **ANTIGEN PREPARATION**

A synthetic peptide derived from the adjacent to C-terminus of JAK3 protein. This sequence is identical in JAK3 from human, rat and mouse origins.

### **BACKGROUND**

The Janus tyrosine kinase family consists of four members, JAK1, JAK2, JAK3 and Tyk2 ranging from 120-140 kDa. Upon the cytokine ligand binding to its receptors, the dimerization of the receptors occurs followed by phosphorylation of the receptors. The JAK3 protein is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors.

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes JAK3. It does not cross-react with JAK1 or JAK2.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

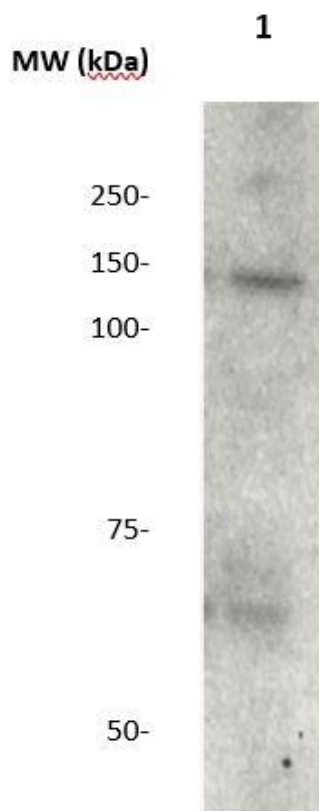
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 125.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA  
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). [www.abbomax.com](http://www.abbomax.com) [info@abbomax.com](mailto:info@abbomax.com)

## DATA ATTACHMENTS



Western Blot: The whole lysate derived from HepG2 (10 ug/lane) immunoblotted by Rabbit anti – JAK3 (Cat#600-370 ) at 1:500. Observed a major immunoreactive band at molecular weight ~125 kDa.

## REFERENCES

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