



Rabbit anti JAK2 Polyclonal Antibody

Alternative Name(s): Janus kinase 2

Order Information

- **Description:** JAK2
- **Catalogue:** 600-360
- **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 JAK2 protein. This sequence is identical in JAK2 from human, rat and mouse origins.

BACKGROUND

The Janus tyrosine kinase family consists of four members, JAK1, JAK2, JAK3 and Tyk2. Upon the cytokine ligand binding to its 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 transcription (STAT1, 3, 5) and the other signal proteins.

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

STORAGE

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

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

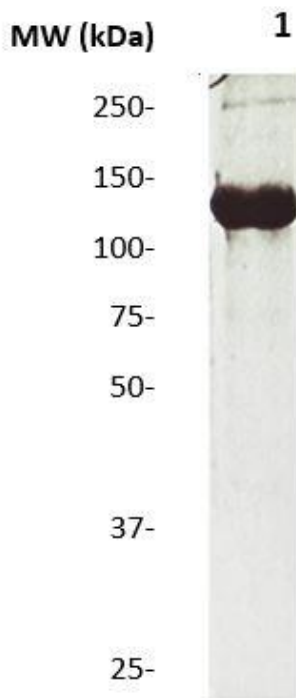
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 120.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The cell lysate (10ug/lane) derived from HEK293 transfected by JAK2 was immunoblotted by Rabbit anti JAK2 (Cat#600-360) at 1:500. Observed a major immunoreactive band at molecular weight ~120 kDa.

REFERENCES

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