

AbboMax, Inc

Innovation at Work

Rabbit anti-JAK2 Antibody

Synonym: Janus Kinase 2

Order Information

Description: Rabbit anti JAK2
Catalogue#: 600-360
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu, Rt, Ms.

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.

SPECIFICITY

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

FORMULATION

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

STORAGE

The antibodies are stable for 12 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 month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

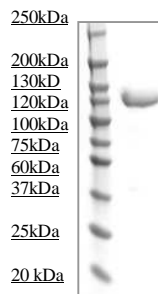
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	1-2.5 $\mu\text{g/ml}$
Flow cytometry	Not tested

MOLECULAR WEIGHT:	120 kDa
POSITIVE CONTROL:	JAK2 over-expressed HEK293
CELLULAR LOCATION:	Cytoplasmic

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

DATA ATTACHMENTS



Western Blot: The cell lysate (5 mg) derived from HEK293 transfected by JAK2 was immunoprecipitated by 5 ug of Rabbit anti JAK2 (Cat#600-360) and detected by the same antibody at 1:500.

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.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com