

Datasheet for 600-401-J46**JAK2 phospho Y972 Antibody****Overview**

Description:	Anti-JAK2 pY972 (RABBIT) Antibody - 600-401-J46
Item No.:	600-401-J46
Size:	50 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Janus Kinase 2 (JAK2) antibody is essential for signaling thorough a variety of cytokine receptors. Phosphorylation of JAK is essential for downstream signaling. JAK kinases are known to phosphorylate several substrate including members of the STAT family of proteins. Anti-JAK II antibody is ideal for researchers investigating Cancer, Signal Transduction, Epigenetics and Nuclear Signaling, and Cell Biology research.
Synonyms:	rabbit anti-JAK2 pY972 antibody, JAK 2, JAK-2, Tyrosine-protein kinase JAK2, Janus kinase 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	JAK2
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	JAK II affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the pY372 region of human JAK II.

Purity/Specificity: Anti-JAK II pY972 is directed against the phosphorylated form of JAK II at residues pY972 and was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, orangutan, rat, and pig based on 100% sequence homology. Cross-reactivity with JAK II from other sources has not been determined.

Relevant Links:

- [UniProtKB - O60674](#)

Application Details

Application Note: Anti-JAK2 antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~130kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1: 10,000

IHC: User Optimized

WB: 1ug/ml

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.12mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: 30% Glycerol

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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