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Datasheet for 600-401-J45

JAK2 phospho Y372 Antibody

Overview

Description:	Anti-JAK2 pY372 (RABBIT) Antibody - 600-401-J45
Item No.:	600-401-J45
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 pY372 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 pY372 is directed against the phosphorylated form of JAK II at residues pY372 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:	1.0mg/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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.