

DATASHEET

JAK2 (Phospho-Y570) Rabbit Polyclonal Antibody

CAT. NO. APA07163

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | JAK2 (Phospho-Y570) | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat, Dog, Monkey, Pig, Rabbit | Clonality | Polyclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

Non-receptor tyrosine kinase involved in various processes such as cell growth, development, differentiation or histone modifications. Mediates essential signaling events in both innate and adaptive immunity. In the cytoplasm, plays a pivotal role in signal transduction via its association with type I receptors such as growth hormone (GHR), prolactin (PRLR), leptin (LEPR), erythropoietin (EPOR), thrombopoietin receptor (MPL/TPOR); or type II receptors including IFN-alpha, IFN-beta, IFN-gamma and multiple interleukins, prolactin (PRLR), leptin (LEPR), erythropoietin (EPOR), thrombopoietin receptor (MPL/TPOR); or type II receptors including IFN-alpha, IFN-beta, IFN-gamma and multiple interleukins.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|-----|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:50 - 1:100 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to JAK2 (Phospho-Y570) |
| Specificity | Recognizes endogenous levels of JAK2 protein only when phosphorylated at Y570. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y570 of human JAK2 protein. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 130 kD; Observed: 125 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2 |
| Gene Symbol | JAK2 |
| Entrez Gene | 3717(Human); 16452(Mouse); 24514(Rat) |
| SwissProt | O60674(Human); Q62120(Mouse); Q62689(Rat) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

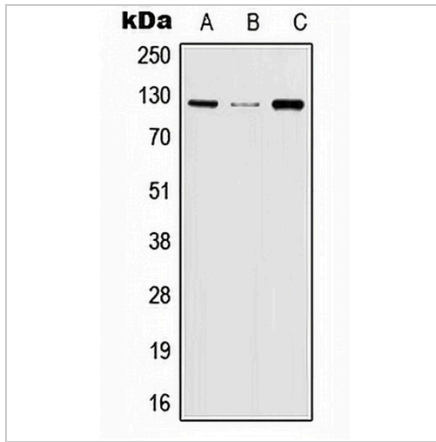
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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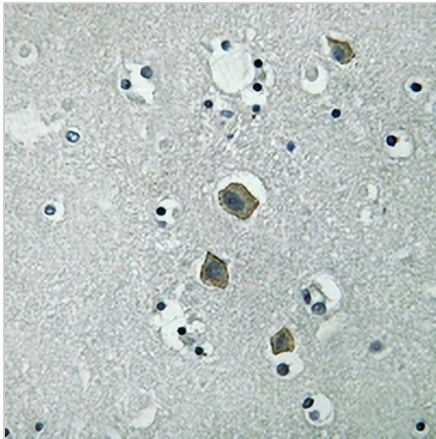
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DATA



Western blot analysis of JAK2 (Phospho-Y570) expression in HeLa (A), TF1 (B), rat kidney (C) whole cell lysates. (Predicted band size: 130 kD; Observed band size: 125 kD)



Immunohistochemical analysis of JAK2 (Phospho-Y570) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.