

Datasheet for ABIN7303034

**anti-JAK2 antibody****3** Images[Go to Product page](#)

## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | JAK2   |
| Reactivity:  | Human, Rat, Mouse, Rabbit, Pig, Dog, Monkey  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This JAK2 antibody is un-conjugated  |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunochromatography (IC) |

## Product Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human JAK2. |
| Specificity:     | Recognizes endogenous levels of JAK2 protein.  |
| Characteristics: | Rabbit polyclonal antibody to JAK2   |
| Purification:    | The antibody was purified by affinity chromatography.  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | JAK2  |
| Alternative Name: | JAK2 ( <a href="#">JAK2 Products</a> )              |
| Background:       | Tyrosine-protein kinase JAK2, Janus kinase 2, JAK-2 |

## Target Details

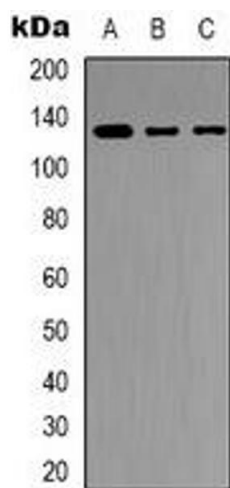
|           |  |
|-----------|--|
| Gene ID:  | 3717, 16452, 24514   |
| UniProt:  | <a href="#">O60674</a> , <a href="#">Q62120</a> , <a href="#">Q62689</a>   |
| Pathways: | <a href="#">JAK-STAT Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">Unfolded Protein Response</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500) |
| Restrictions:      | For Research Use only  |

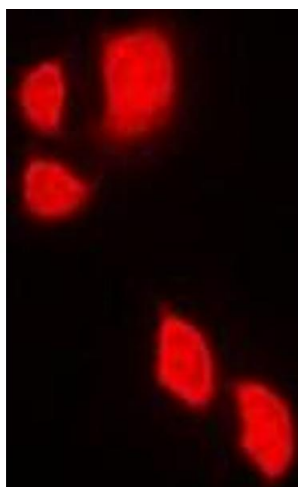
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Liquid in PBS, pH 7.3, 0.2 % BSA, and 0.02 % sodium azide.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                       |
| Expiry Date:       | 12 months  |



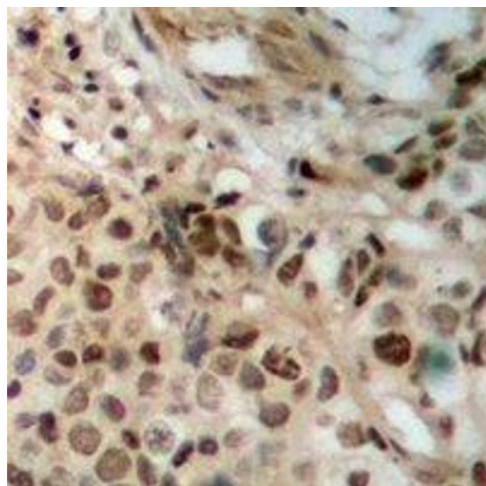
### Western Blotting

**Image 1.** Western blot analysis of JAK2 expression in Jurkat (A), K562 (B), HEK293T (C) whole cell lysates.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of JAK2 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of JAK2 staining in human breast cancer 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