



[Go to Product page](#)

Datasheet for ABIN3031513
anti-JAK2 antibody (AA 1101-1132)

5 Images

Overview

Quantity:	0.4 mL
Target:	JAK2
Binding Specificity:	AA 1101-1132
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 1101-1132 from the human protein was used as the immunogen for this JAK2 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	JAK2
Alternative Name:	JAK2 (JAK2 Products)
Background:	This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active

Target Details

protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis.

UniProt: [O60674](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Positive Regulation of Endopeptidase Activity](#), [Protein targeting to Nucleus](#), [CXCR4-mediated Signaling Events](#), [Platelet-derived growth Factor Receptor Signaling](#), [Unfolded Protein Response](#)

Application Details

Application Notes: Titration of the JAK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

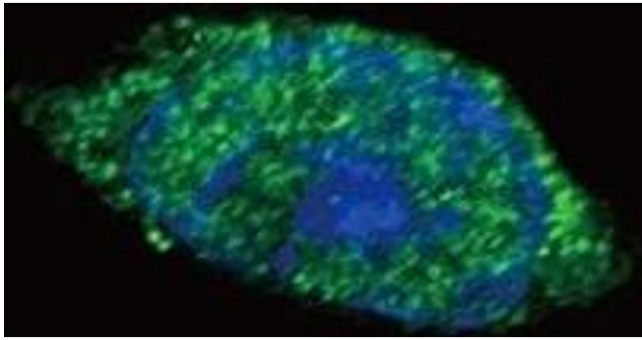
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

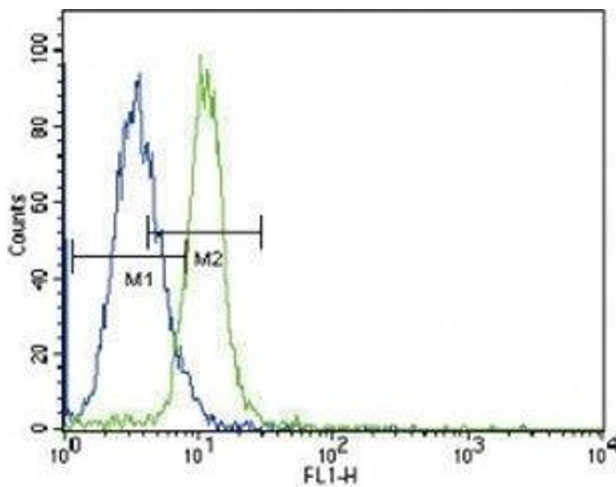
Storage: -20 °C

Storage Comment: Aliquot the JAK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



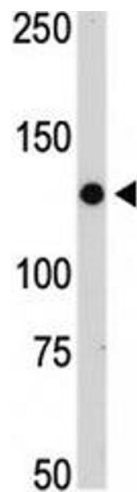
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of JAK2 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Flow Cytometry

Image 2. JAK2 antibody flow cytometric analysis of K562 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 3. JAK2 antibody used in western blot to detect JAK2 in mouse thymus tissue lysate. Predicted molecular weight ~130 kDa

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031513.