

Datasheet: AHP2639

BATCH NUMBER 171280

Description:	RABBIT ANTI JAK2 (pTyr1007)
Specificity:	JAK2 (pTyr1007)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/200 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to JAK2 (pTyr1007) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.05% ProClin 300 50% Glycerol
Immunogen	Phospho specific-peptide corresponding to residues surrounding tyrosine 1007 of human JAK2
External Database Links	UniProt: O60674 Related reagents

Entrez Gene:

[3717](#) [JAK2](#) [Related reagents](#)

Specificity **Rabbit anti JAK2 (pTyr1007) antibody** recognizes janus kinase 2 (JAK2), also known as tyrosine-protein kinase JAK2, when phosphorylated at tyrosine 1007. JAK2 is a non-receptor tyrosine protein kinase involved in stem cell maintenance, haematopoiesis, and inflammation through its involvement in the JAK/STAT signaling pathway.

Autophosphorylation of JAK2 at tyrosine 1007 activates JAK2 and the JAK/STAT signaling pathway. ([Lucet et al. 2006](#)).

Further Reading 1. Lucet, I.S. *et al.* (2006) The structural basis of Janus kinase 2 inhibition by a potent and specific pan-Janus kinase inhibitor. [Blood. 107 \(1\): 176-83.](#)

Storage Store at -20°C
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Acknowledgements ProClin is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Health And Safety Information Material Safety Datasheet documentation #20376 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2639>
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Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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