

Datasheet: AHP2639

**BATCH NUMBER 141596**

<b>Description:</b>	RABBIT ANTI JAK2 (pTyr1007)
<b>Specificity:</b>	JAK2 (pTyr1007)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide 50% Glycerol
<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding tyrosine 1007 of human JAK2
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">O60674</a> <a href="#">Related reagents</a>

**Entrez Gene:**

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

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<b>Specificity</b>	<b>Rabbit anti JAK2 (pTyr1007) antibody</b> 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. ( <a href="#">Lucet et al. 2006</a> ).
<b>Further Reading</b>	1. Lucet, I.S. <i>et al.</i> (2006) The structural basis of Janus kinase 2 inhibition by a potent and specific pan-Janus kinase inhibitor. <a href="#">Blood. 107 (1): 176-83.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2639">https://www.bio-rad-antibodies.com/SDS/AHP2639</a> 10049
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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

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

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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