

## Datasheet: AHP2747

<b>Description:</b>	RABBIT ANTI JAK3 (pTyr980/pTyr981)
<b>Specificity:</b>	JAK3 (pTyr980/pTyr981)
<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	▪			1/500 - 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 JAK3 (pTyr980/pTyr981) 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** 0.02% Sodium Azide  
**Stabilisers** 50% Glycerol

**Immunogen** Phospho specific-peptide corresponding to residues surrounding tyrosine 980/981 of human JAK3

### External Database Links

**UniProt:**  
[P52333](#)    [Related reagents](#)

**Entrez Gene:**

[3718](#) JAK3 [Related reagents](#)

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<b>Specificity</b>	<b>Rabbit anti JAK3 (pTyr980/pTyr981) antibody</b> antibody recognizes tyrosine-protein kinase JAK3 when phosphorylated on tyrosine 980/981. It belongs to the JAK (Janus kinase) family of nonreceptor tyrosine kinases that are central mediators of cytokine signalling ( <a href="#">Rane and Reddy 2000</a> ). JAK3 is expressed in hematopoietic cells ( <a href="#">Rane and Reddy 1994</a> ). It plays important roles in development and function of the immune system ( <a href="#">Macchi et al. 1995</a> , <a href="#">Park et al. 1995</a> ). JAK3 is heavily phosphorylated on tyrosine residues tyrosine 980/981 that are located within the putative activation loop ( <a href="#">Zhou et al. 1997</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: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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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)  
'M376963:210212'

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