

## Datasheet: AHP1076

**BATCH NUMBER 158491**

<b>Description:</b>	GOAT ANTI STAT3 (C-TERMINAL)
<b>Specificity:</b>	STAT3 (C-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

### 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
Flow Cytometry			▪	
Immunohistology - Frozen (1)	▪			10ug/ml
Immunohistology - Paraffin	▪			
ELISA	▪			1/32,000
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 5ug/ml

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.

**(1)Overnight staining is recommended for this antibody**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with:Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to human STAT3 (CT) were raised by repeated immunisations of goats with

highly purified antigen. Purified IgG was prepared by affinity chromatography.

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<b>Buffer Solution</b>	TRIS buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	0.5% Bovine Serum Albumin

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<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
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<b>Immunogen</b>	Peptide sequence DMELTSECARSPM corresponding to the C-terminal region of STAT3 (NP_003141.2; NP_644805.1).
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P40763</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">6774</a> STAT3 <a href="#">Related reagents</a>

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<b>Synonyms</b>	APRF
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<b>RRID</b>	AB_2196584
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<b>Specificity</b>	<p><b>Goat anti Mouse STAT3 antibody</b> recognizes an epitope within the C-terminal (CT) region of signal transducer and activator of transcription 3 (STAT3), an 80-85 kDa member of the STAT protein family, which plays an important role in cell growth, survival differentiation and transformation, transducing signals from cytokine receptors to the nucleus.</p> <p>STAT3 is phosphorylated in response to cytokines and growth factors including interleukin-5, interleukin-6, epidermal growth factor and leukaemia inhibitory factor. It is expressed in the heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.</p>
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<b>Histology Positive Control Tissue</b>	Mouse Thymus. .
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<b>Western Blotting</b>	Goat anti STAT3 antibody detects a band of approximately 80-85kDa in A431 cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.
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<b>Further Reading</b>	1. Levy, D.E. & Lee, C.K. (2002) What does Stat3 do? <a href="#">J Clin Invest. 109 (9): 1143-8.</a>
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<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1076>  
10058

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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)

'M386531:210527'

**Printed on 01 Mar 2024**

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