

## Datasheet: AHP1076

<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 - 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>	Reacts with: Mouse Based on sequence similarity, is expected to react with:Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human STAT3 (CT) were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

**Immunogen** Peptide sequence DMELTSECARSPM corresponding to the C-terminal region of STAT3 (NP\_003141.2; NP\_644805.1).

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**External Database Links**

**UniProt:**  
[P40763](#) [Related reagents](#)

**Entrez Gene:**  
[6774](#) STAT3 [Related reagents](#)

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**Synonyms** APRF

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**Specificity** **Goat anti Mouse STAT3 antibody** 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.

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.

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**Histology Positive Control Tissue** Mouse Thymus. .

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**Western Blotting** 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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**Further Reading** 1. Levy, D.E. & Lee, C.K. (2002) What does Stat3 do? [J Clin Invest. 109 \(9\): 1143-8.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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

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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](#)

### Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

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