

Datasheet: AHP1076

Description:	GOAT ANTI STAT3 (C-TERMINAL)
Specificity:	STAT3 (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with:Rat</p> <p>N.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>
Product Form	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.

Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence DMELTSECARSPM corresponding to the C-terminal region of STAT3 (NP_003141.2; NP_644805.1).
External Database Links	<p>UniProt: P40763 Related reagents</p> <p>Entrez Gene: 6774 STAT3 Related reagents</p>
Synonyms	APRF
RRID	AB_2196584
Specificity	<p>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.</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>
Histology Positive Control Tissue	Mouse Thymus. .
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.
Further Reading	1. Levy, D.E. & Lee, C.K. (2002) What does Stat3 do? J Clin Invest. 109 (9): 1143-8.
Storage	<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>
Guarantee	12 months from date of despatch

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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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