

## Datasheet: AHP3023

**BATCH NUMBER 162339**

<b>Description:</b>	GOAT ANTI OAS1
<b>Specificity:</b>	OAS1
<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
Western Blotting	■			1 ug/ml - 3 ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human OAS1 were raised by repeated immunizations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide 0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Peptide with sequence C-THEYPHFSHRPST, from the internal region (near C terminus) of the protein sequence according to NP_058132.2

External Database  
Links

UniProt:

[P00973](#)

[Related reagents](#)

Entrez Gene:

[4938](#)

OAS1

[Related reagents](#)

Synonyms

OIAS

Specificity

**Goat anti OAS1 antibody** recognizes 2'-5'-oligoadenylate synthase 1 (OAS1), also known as E18/E16 and p46/p42 OAS.

OAS1 is a member of the OAS family of genes induced by interferons (IFN) and viruses, and appears to play a role in regulation of signaling pathways during viral infection ([Lee et al. 2019](#)). The antiviral role of OAS1 appears to be attributed to its ability to detect short double stranded RNAs (dsRNAs) ([Schwartz et al. 2020](#)). In addition to viral infections, OAS proteins have been implicated in autoimmune diseases and cancer. OAS1 can affect cell migration and high OAS1 mRNA expression has been linked to worse prognosis in patients with breast cancer ([Zhang and Yu 2020](#)).

Western Blotting

Goat anti Human OAS1 antibody detects a band of approximately 50 kDa in cell lysates

Storage

Store at -20°C only.

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

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/AHP3023>  
10058

Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

North & South  
America

Tel: +1 800 265 7376

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)

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)

'M390931:211007'

Printed on 23 May 2025