

## Datasheet: AHP3023

<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
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<b>Product Form</b>	Purified IgG - liquid
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<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.
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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

<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
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<b>Immunogen</b>	Peptide with sequence C-THEYPHFSHRPST, from the internal region (near C terminus) of the protein sequence according to NP_058132.2
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<b>External Database Links</b>	<b>UniProt:</b>
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**Entrez Gene:**

[4938](#)   OAS1   [Related reagents](#)

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**Synonyms**      OIAS

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**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](#)).

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

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**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.

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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/AHP3023>  
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](#)

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

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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)

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