

Datasheet: AHP3023

BATCH NUMBER 162339

Description:	GOAT ANTI OAS1
Specificity:	OAS1
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
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.

Target Species

Human

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human OAS1 were raised by repeated immunizations 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 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](#)

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