

## Datasheet: AHP3022

**BATCH NUMBER 158410**

<b>Description:</b>	GOAT ANTI NLRX1
<b>Specificity:</b>	NLRX1
<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 NLRX1 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-NFSGETLDSTDPSN, from the internal region of the protein sequence according to NP_078894.2; NP_733840.1
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**External Database  
Links**

**UniProt:**

[Q86UT6](#)   [Related reagents](#)

**Entrez Gene:**

[79671](#)   NLRX1   [Related reagents](#)

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**Synonyms**

NOD26, NOD5, NOD9

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**Specificity**

**Goat anti NLRX1 antibody** recognizes NLR family member X1 (NLRX1), also known as caterpillar protein 11.3, NOD26, NOD5, and NOD9.

NLRX1 is a member of the NLR family of pattern recognition receptors (PRRs), but is an atypical member due to its structure ([Nagai-Singer et al. 2019](#)). For example, it appears to be the only PRR family member with the ability to localize to mitochondria ([Chu et al. 2019](#)). However, NLRX1 appears to be ubiquitously expressed in human cells, and appears to have different functions depending on cell type ([Nagai-Singer et al. 2019](#)). NLRX1 appears to be a negative regulator of immune signaling during microbial infection, cancer, and autoimmune disease ([Kastelberg et al. 2020](#)). Consistent with mitochondrial localization, NLRX1 regulates the function of mitochondria during apoptosis and injury in the presence of TNF-alpha ([Singh et al. 2019](#)).

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**Western Blotting**

Goat anti Human NLRX1 antibody detects a band of approximately 100 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/AHP3022>  
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  
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)  
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