

Datasheet: AHP445

Description:	RABBIT ANTI HUMAN IRAK1 (C-TERMINAL)
Specificity:	IRAK1 (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	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			2-4ug/sample
Western Blotting	▪			1/1000 - 1/2000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human IRAK were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by ion exchange chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Peptide from C terminus of human IRAK

External Database

Links

UniProt:

[P51617](#) [Related reagents](#)

Entrez Gene:

[3654](#) IRAK1 [Related reagents](#)

Synonyms

IRAK

RRID

AB_322748

Specificity

Rabbit anti Human IRAK1 antibody recognizes human Interleukin-1 receptor-associated kinase 1 (IRAK1) an ~80 kDa serine/threonine protein kinase designated IRAK containing a single [protein kinase domain](#) and a single [death domain](#). IRAK is associated with IL-1 receptor subunits, and mediates a signalling cascade leading to NF- κ B activation after IL-1 binding ([Burns *et al.* 2000](#)). Multiple isoforms of IRAK1 generated by alternative splicing have been described. Isoforms 1 and 2 are ubiquitously expressed ([Jensen *et al.* 2001](#)). Rabbit anti Human IRAK1 antibody recognizes isoform 1 but reactivity with other isoforms having partial deletions of the carboxy-terminal region has not been assessed.

Further Reading

1. Cao, Z. *et al.* (1996) IRAK: a kinase associated with the interleukin-1 receptor. [Science](#). **271** (5252): 1128-31.

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

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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

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