

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 0.5 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
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-kB 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. <i>et al.</i> (1996) IRAK: a kinase associated with the interleukin-1 receptor. Science. 271 (5252): 1128-31.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 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 (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

'M279417:160115'

