

Datasheet: AHP1611

Description:	RABBIT ANTI HUMAN IRAK3
Specificity:	IRAK3
Other names:	IRAK-M
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 (1)	▪			2ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1ug/ml

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human IRAK3 were raised by repeated immunisation of rabbits with highly purified antigen.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1 mg/ml

Immunogen Peptide corresponding to amino acids from the carboxy terminus of human IRAK3.

External Database Links

UniProt:
[Q9Y616](#) [Related reagents](#)

Entrez Gene:
[11213](#) IRAK3 [Related reagents](#)

Specificity

Rabbit anti Human IRAK3 antibody recognizes human Interleukin-1 receptor-associated kinase 3 (IRAK3), a member of the IRAK/Pelle family. IRAKs associate with the IL1/Toll receptors after IL-1 or LPS stimulation, thereby playing an important role in the inflammatory response.

IRAK3 inhibits the dissociation of IRAK1 and IRAK4 from the Toll-like receptor signalling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilising the receptor complex. It is predominantly expressed in peripheral blood lymphocytes. Defects in the IRAK3 gene are associated with susceptibility to asthma-related traits type 5.

Rabbit anti Human IRAK3 antibody does not cross-react with IRAK or IRAK2.

Western Blotting

AHP1611 detects a band of approximately 68kDa in mouse spleen lysates.

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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