

Datasheet: AHP1000

Description:	RABBIT ANTI MOUSE TRIAD3A (N-TERMINAL)
Specificity:	TRIAD3A (N-TERMINAL)
Other names:	E3 ubiquitin-protein ligase RNF216
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)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/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.

(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	Mouse
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to mouse TRIAD3A (NT) were raised by repeated immunisations 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 1.0mg/ml
Immunogen	A 15 amino acid peptide located near mouse TRIAD3A amino-terminus.

**External Database
Links**

UniProt:

[P58283](#) [Related reagents](#)

Entrez Gene:

[108086](#) Rnf216 [Related reagents](#)

Synonyms

Triad3, Ubce7ip1, Uip83, Zin

Specificity

Rabbit anti Human TRIAD3A antibody recognizes an epitope within the N-terminal region (NT) of mouse TRIAD3A, a ubiquitously expressed E3 ubiquitin-protein ligase which plays an important role in the innate immune response.

Regulation of the level and duration of Toll-like receptor (TLR) activation is vital in controlling a pro-inflammatory response, to prevent harm to the host. Several proteins involved in the regulation of TLR signaling have been described including ST2 and IL-1R-associated kinase M, along with many other adaptor proteins of the MyD88 family, which mediate TLR signal transduction. TRIAD3A, identified as a RING finger member of the E3 ligase family of proteins, binds to the cytoplasmic tail of several TLRs, notably TLR4 and TLR9, resulting in ubiquitination and proteolytic degradation, thereby regulating their expression. TRIAD3A does not appear to regulate the expression of TLR2.

Western Blotting

AHP1000 detects a band of approximately 95kDa in mouse heart cell lysates.

Further Reading

1. Chuang, T.H. & Ulevitch, R.J. (2004) Triad3A, an E3 ubiquitin-protein ligase regulating Toll-like receptors. [Nat Immunol. 5 \(5\): 495-502.](#)
2. Brint, E.K. *et al.* (2004) ST2 is an inhibitor of interleukin 1 receptor and Toll-like receptor 4 signaling and maintains endotoxin tolerance. [Nat Immunol. 5 \(4\): 373-9.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
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](#)

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