

## Datasheet: AHP1590

<b>Description:</b>	RABBIT ANTI RIP2 (N-TERMINAL)
<b>Specificity:</b>	RIP2 (N-TERMINAL)
<b>Other names:</b>	RICK
<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
Immunohistology - Frozen	▪			10ug/ml
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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat, Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antiserum to human RIP2 (NT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
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<b>Immunogen</b>	A peptide corresponding to amino acids near the amino terminus of human RIP2.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">O43353</a> <a href="#">Related reagents</a>
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**Entrez Gene:**[8767](#) [RIPK2](#) [Related reagents](#)

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<b>Synonyms</b>	CARDIAK, RICK, RIP2
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<b>Specificity</b>	<p><b>Rabbit anti Human RIP2 antibody</b> recognizes Human Receptor-interacting serine/threonine-protein kinase 2, also known as RIP2, RIPK2, RIP-like-interacting CLARP kinase or CARD-containing interleukin-1 beta-converting enzyme-associated kinase. RIP2 is a 403 amino acid ~60 kDa cytoplasmic protein belonging to the protein kinase superfamily.</p> <p>RIP2 is a kinase that regulates TNF and Fas induced-apoptosis and is involved in the generation of the pro-inflammatory cytokine IL-1beta.</p> <p>Over expression of RIP2 has been shown to induce apoptosis, and the activation of NF-Kappa-B and JNK. RIP2 is widely expressed in a range of human tissues.</p>
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<b>Histology Positive Control Tissue</b>	Placenta
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<b>Western Blotting</b>	Rabbit anti Human RIP2 detects a band of approximately 60kDa in A431 cell lysates.
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Inohara N., <i>et al</i> (1998) RICK, a novel protein kinase containing a caspase recruitment domain, interacts with CLARP and regulates CD95-mediated apoptosis. <a href="#">J Biol Chem. 273:12296-300.</a></li><li>2. McCarthy J.V., <i>et al</i> (1998) RIP2 is a novel NF-kappaB-activating and cell death-inducing kinase. <a href="#">J Biol Chem. 273:16968-75.</a></li><li>3. Thome M., <i>et al</i> (1998) Identification of CARDIAK, a RIP-like kinase that associates with caspase-1. <a href="#">Curr Biol. 8:885-8.</a></li></ol>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## 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 \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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Printed on 01 May 2018

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