

## Datasheet: AHP2320

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|----------------------|---------------------|
| <b>Description:</b>  | RABBIT ANTI IRAK4   |
| <b>Specificity:</b>  | IRAK4               |
| <b>Format:</b>       | Purified            |
| <b>Product Type:</b> | Polyclonal Antibody |
| <b>Isotype:</b>      | Polyclonal IgG      |
| <b>Quantity:</b>     | 50 µg               |

## 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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 0.5 - 4.0 ug/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.

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|---------------------------------------|---|
| <b>Target Species</b>                 | Human   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative</b>                   | 30% Glycerol  |
| <b>Stabilisers</b>                    | 0.5% Bovine Serum Albumin<br>0.01% Thiomersal   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml   |
| <b>Immunogen</b>                      | Synthetic peptide mapping to the C-terminus of human IRAK4  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q9NWZ3</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">51135</a>    IRAK4    <a href="#">Related reagents</a></p> |

### Specificity

**Rabbit anti IRAK4 antibody** recognizes integrin-1 receptor-associated kinase 4 (IRAK4). IRAK4 is an important mediator in the signal transduction of toll-like receptor (TLR) and interleukin-1 (IL-1) receptor family members. IRAK4 functions in this signal transduction pathway by binding to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to

transcriptional up-regulation and mRNA stabilization.

IRAK4 is a key activator of TLR-mediated signal transductions and has crucial roles in innate immune responses. It is expressed by the liver, kidneys and skeletal muscle.

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| <b>Western Blotting</b> | Rabbit anti IRAK4 (C-Terminal) antibody recognizes a band of approximately 50 kDa in HeLa cell lysate |
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| <b>Storage</b> | Store at -20°C<br>Storage in frost-free freezers is not recommended.<br>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. |
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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10096 available at:<br>10096: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10096.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](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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