

## Datasheet: AHP2422

**BATCH NUMBER 150476**

<b>Description:</b>	RABBIT ANTI BAD
<b>Specificity:</b>	BAD
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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 - Paraffin	■			1/50 - 1/200
Western Blotting	■			1/500 - 1/2000
Immunofluorescence	■			1/10 - 1/100

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
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<b>Species Cross Reactivity</b>	<p>Reacts with: Rat</p> <p>Based on sequence similarity, is expected to react with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
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<b>Product Form</b>	Purified IgG - liquid
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<b>Antiserum Preparation</b>	Antiserum to BAD was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
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Stabilisers	50% Glycerol
Immunogen	Synthetic human BAD peptide
External Database Links	<p><b>UniProt:</b>  <a href="#">Q92934</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">572</a>    BAD    <a href="#">Related reagents</a></p>
Synonyms	BBC6, BCL2L8
Specificity	<p><b>Rabbit anti BAD antibody</b> recognizes human Bcl2-associated agonist of cell death (BAD), also known as Bcl-xL/Bcl-2-associated death promoter, Bcl-2 binding component 6 or Bcl2-L-8. Similar to the other Bcl-2 protein family members, Bax, Bak, Bid and Bock, BAD has a pro-apoptotic function in the apoptosis signaling cascade.</p> <p>The precise role of BAD in apoptosis signaling depends on BAD's post-translational modification status. Nonphosphorylated BAD forms heterodimers with the two anti-apoptotic Bcl-2 protein family members, Bcl-xL and Bcl-2 (<a href="#">Zha et al. 1996</a>). The binding of BAD to Bcl-xL promotes apoptosis by inhibiting the apoptosis repressor function of Bcl-xL (<a href="#">Yang et al. 1995</a>). Once serine phosphorylated, BAD is unable to heterodimerize with Bcl-xL and interacts with 14-3-3 proteins instead (<a href="#">Masters et al. 1995</a>). This binding retains BAD in the cytoplasm and thereby enables Bcl-xL to suppress apoptosis (<a href="#">Zha et al. 1996</a>).</p>
Western Blotting	Rabbit anti BAD antibody detects a band of approximately 18 kDa in PC3 cell lysate under reducing conditions
References	<ol style="list-style-type: none"> <li>1. Zha, J. <i>et al.</i> (1996) Serine phosphorylation of death agonist BAD in response to survival factor results in binding to 14-3-3 not BCL-X(L). <a href="#">Cell 87 (4): 619-28.</a></li> <li>2. Yang, E. <i>et al.</i> (1995) Bad, a heterodimeric partner for Bcl-XL and Bcl-2, displaces Bax and promotes cell death. <a href="#">Cell 80 (2): 285-91.</a></li> <li>3. Masters, S.C. <i>et al.</i> (2001) 14-3-3 inhibits Bad-induced cell death through interaction with serine-136. <a href="#">Mol. Pharmacol. 60 (6): 1325-31.</a></li> </ol>
Storage	<p>Store at -20°C</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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10049 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP2422">https://www.bio-rad-antibodies.com/SDS/AHP2422</a>  10049</p>

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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Tel: +44 (0)1865 852 700

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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