

Datasheet: AHP2422

BATCH NUMBER 151086

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| Description: | RABBIT ANTI BAD |
| Specificity: | BAD |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | 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.

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| Target Species | Human |
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| Species Cross Reactivity | <p>Reacts with: Rat</p> <p>Based on sequence similarity, is expected to react with: Mouse</p> <p>N.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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| Product Form | Purified IgG - liquid |
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| Antiserum Preparation | 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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| Buffer Solution | Phosphate buffered saline |
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| Preservative | 0.02% Sodium Azide |
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| Stabilisers | 50% Glycerol |
| Immunogen | Synthetic human BAD peptide |
| External Database Links | <p>UniProt: Q92934 Related reagents</p> <p>Entrez Gene: 572 BAD Related reagents</p> |
| Synonyms | BBC6, BCL2L8 |
| Specificity | <p>Rabbit anti BAD antibody 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 (Zha et al. 1996). The binding of BAD to Bcl-xL promotes apoptosis by inhibiting the apoptosis repressor function of Bcl-xL (Yang et al. 1995). Once serine phosphorylated, BAD is unable to heterodimerize with Bcl-xL and interacts with 14-3-3 proteins instead (Masters et al. 1995). This binding retains BAD in the cytoplasm and thereby enables Bcl-xL to suppress apoptosis (Zha et al. 1996).</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"> 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). Cell 87 (4): 619-28. 2. Yang, E. <i>et al.</i> (1995) Bad, a heterodimeric partner for Bcl-XL and Bcl-2, displaces Bax and promotes cell death. Cell 80 (2): 285-91. 3. Masters, S.C. <i>et al.</i> (2001) 14-3-3 inhibits Bad-induced cell death through interaction with serine-136. Mol. Pharmacol. 60 (6): 1325-31. |
| 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: https://www.bio-rad-antibodies.com/SDS/AHP2422</p> <p>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 \(STAR209P\)](#)

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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

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