

Datasheet: AHP2422

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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.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat

Based on sequence similarity, is expected to react with: Mouse

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.

Product Form

Purified IgG - liquid

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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide

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 | Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

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

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

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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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