

Basic Information

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| Product Name | Anti-BAD Antibody |
| Gene Name | BAD |
| Source | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Species Reactivity | human |
| Tested Application | WB, IHC, FCM, ELISA |
| Contents | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol. |
| Immunogen | E.coli-derived human BAD recombinant protein (Position: S10-Q168). |
| Concentration | 500 ug/ml |
| Purification | Immunogen affinity purified. |
| Observed MW | 18-25 kDa |
| Dilution Ratios | Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (FCM): 1-3 µg/1x10 ⁶ cells Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. |

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Bad is a proapoptotic member of the Bcl-2 family that promotes cell death by displacing Bax from binding to Bcl-2 and Bcl-xL (1,2). Survival factors, such as IL-3, inhibit the apoptotic activity of Bad by activating intracellular signaling pathways that result in the phosphorylation of Bad at Ser112 and Ser136 (2). Phosphorylation at these sites promotes binding of Bad to 14-3-3 proteins to prevent an association between Bad with Bcl-2 and Bcl-xL (2). Akt phosphorylates Bad at Ser136 to promote cell survival (3,4). Bad is phosphorylated at Ser112 both in vivo and in vitro by p90RSK (5,6) and mitochondria-anchored PKA (7). Phosphorylation at Ser155 in the BH3 domain by PKA plays a critical role in blocking the dimerization of Bad and Bcl-xL (8-10).

Product datasheet

Anti-BAD Antibody

Catalog Number: **A03520-2**

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Selected Validation Data