

- SPECIES REACTIVITY:** Human BAD. Mouse and rat (100% homologous) BAD have not been tested, but are expected to react.
- CONTROL:** Recombinant BAD protein, or Hek293 cells overexpressing wild-type BAD activated by Akt/PKB.
- FORMAT:** Purified from rabbit serum by sequential epitope-specific chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated BAD. The final product is generated by affinity chromatography using a BAD-derived peptide that is phosphorylated at serine 136.
- PRESENTATION:** Dulbecco's phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.3 (+/- 0.1), 50% glycerol with 1.0 mg/mL BSA (IgG, protease free) as a carrier. 0.05% sodium azide
- STORAGE/HANDLING:** Store at $-80^{\circ}C$ for up to 12 months after date of receipt. Upon initial thawing, apportion into working aliquots and store at $-80^{\circ}C$. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
- REFERENCES:** Perez-Rodriguez, R., et al., J Neuroscience Research (2007) 85:2224-2238.
- Noshita, N., et al. (2002) Akt phosphorylation and neuronal survival after traumatic brain injury in mice. Neurobiol. Dis. 9(3):294-304 (cites the use of this antibody in immunohistochemistry).
- Masters, S.C., et al. (2001) 14-3-3 inhibits Bad-induced cell death through interaction with serine-136. Mol. Pharmacol. 60(6):1325-1331.
- Hayakawa, J., et al. (2000) Inhibition of BAD phosphorylation either at serine 112 via extracellular signal-regulated protein kinase cascade or at serine 136 via Akt cascade sensitizes human ovarian cancer cells to cisplatin. Cancer Res. 60(21):5988-5994.
- Datta, S.R., et al. (2000) 14-3-3 proteins and survival kinases cooperate to inactivate BAD by BH3 domain phosphorylation. Mol. Cell. 6(1):41-51.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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