

AP02799PU-N**Polyclonal Antibody to BAD (pSer136) - Aff - Purified -****Alternate names:**

BAD, BBC6, BCL2L8, Bcl-2-binding component 6, Bcl-2-like protein 8, Bcl-XL/Bcl-2-associated death promoter, Bcl2 antagonist of cell death, Bcl2-L-8

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Bad is a member of the Bcl2 family and acts to promote apoptosis by forming heterodimers with the survival proteins Bcl2 and BclxL, thus preventing them from binding with BAX. Bad is found on the outer mitochondrial membrane and, once phosphorylated in response to growth stimuli, translocates to the cytoplasm. The phosphorylation status of Bad represents a key checkpoint for death or cell survival. JNK-induced phosphorylation of BAD serine 128 promotes the apoptotic role of Bad by opposing the inhibitory effect of growth factor on Bad-mediated apoptosis. Cdc2-induced phosphorylation of Bad serine 128 has an inhibitory effect on its interaction with 14-3-3 proteins. The latter interaction is critical for Bad phosphorylation at serine 155, a site within the BH3 domain that leads to the release of BclxL and the promotion of cell survival. Alternative splicing of this gene results in two transcript variants which encode the same isoform.

Uniprot ID:

[Q92934](#)

NCBI:

[NP_004313.1](#)

GenID:

[572](#)

Host:

Rabbit

Immunogen:

Synthesized phosphopeptide derived from mouse BAD around the phosphorylation site of serine136

AA Sequence:

S-R-SP-A-P

Format:

State: Liquid Ig fraction

Purification: Affinity chromatography using epitope-specific phosphopeptide

Buffer System: Phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol

Applications:

Immunohistochemistry on paraffin sections: 1:50 - 1:100.

Western blot: see ref. 1.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

BAD (phospho-Ser136) antibody detects endogenous levels of BAD only when phosphorylated at Serine 136.

Species: Human, Mouse, Rat.

Other species not tested.

Storage:

Store the antibody (in aliquots) at -20 °C. Avoid repeated freezing and thawing.

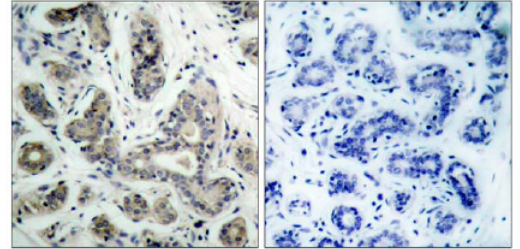
Shelf life: One year from despatch.

General Readings:

1. Matsuda N, Takano Y, Kageyama S, Hatakeyama N, Shakunaga K, Kitajima I, et al. Silencing of caspase-8 and caspase-3 by RNA interference prevents vascular endothelial cell injury in mice with endotoxic shock. *Cardiovasc Res.* 2007 Oct 1;76(1):132-40. Epub 2007 Jun 5. PubMed PMID: 17601517.

Pictures:

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BAD (phospho-Ser136) antibody AP02799PU



P-Peptide

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