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AP01534PU-N Polyclonal Antibody to Bcl-2-like 8 pSer136/99 - 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

GeneID: 572

Host: Rabbit

Format: **State:** Liquid purified Ig
Purification: Affinity chromatography
Buffer System: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

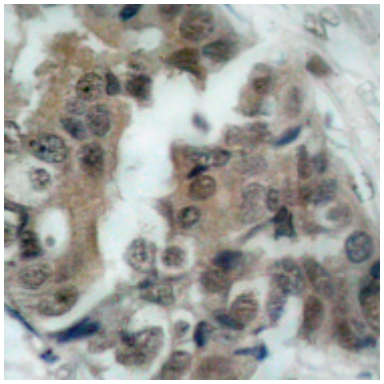
Applications: ELISA: 1:20000~1:40000.
WB: 1:500~1:1000.
IHC: 1:50~1:200.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: p-BAD (pSer136) antibody detects endogenous levels of BAD protein.
Species: Human, Mouse, Rat.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of p-BAD (pSer136) antibody in paraffin-embedded human breast carcinoma tissue.



Western blot (WB) analysis of p-BAD (pSer136) antibody in extracts from NIH/3T3 cells treated with Forskolin.