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Bad (phospho Ser112) rabbit pAb

Cat No.:ES1269

For research use only

Overview

Product Name	Bad (phospho Ser112) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BAD around the phosphorylation site of Ser112. AA range:78-127
Specificity	Phospho-Bad (S112) Polyclonal Antibody detects endogenous levels of Bad protein only when phosphorylated at S112.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Bcl2 antagonist of cell death
Gene Name	BAD
Cellular localization	Mitochondrion outer membrane. Cytoplasm . Colocalizes with HIF3A in the cytoplasm (By similarity). Upon phosphorylation, locates to the cytoplasm. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	572
Human Swiss-Prot Number	Q92934
Alternative Names	BAD; BBC6; BCL2L8; Bcl2 antagonist of cell death; BAD; Bcl-2-binding component 6; Bcl-2-like protein 8; Bcl2-L-8; Bcl-XL/Bcl-2-associated death promoter

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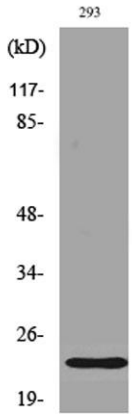
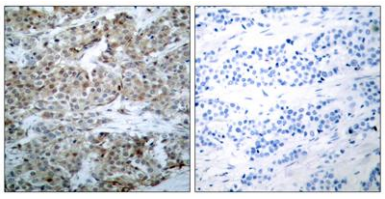
Background

The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Phospho-Bad (S112) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using BAD (Phospho-Ser112) Antibody. The picture on the right is blocked with the phospho peptide.

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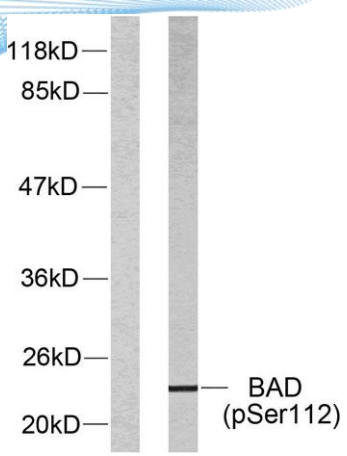

Western blot analysis of lysates from 293 cells treated with Forskolin, using BAD (Phospho-Ser112) Antibody. The lane on the left is blocked with the phospho peptide.

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