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## Phospho-BAD (S26) Antibody, Rabbit Polyclonal

**Cat#:** R0221-7

**Quantity:** 100 ul

**Predicted M.W.:** 22 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q61337

### **Background:**

Bcl2 antagonist of cell death (BAD) promotes cell death. BAD competes for the binding to Bcl-XL, Bcl-2 and Bcl-W, thereby affecting the level of heterodimerization of these proteins with BAX. BAD can reverse the death repressor activity of Bcl-X(L), but not that of Bcl-2. BAD appears to act as a link between growth factor receptor signaling and the apoptotic pathways.

It has recently been demonstrated that the kinase IKK inactivates BAD protein by phosphorylating BAD on Ser26 residue in response to TNF-alpha, resulting in the inhibition of TNF-alpha induced apoptosis through a mechanism independent of NF- $\kappa$ B activation (Yan et al., 2013, *Cell*, 152:304-315). Phospho-BAD (S26) antibody is specific for the Ser26-phosphorylated BAD.

### **Other Names:**

Bcl2 antagonist of cell death, Bcl-2-binding component 6, Bcl-xL/Bcl-2-associated death promoter, Bbc6

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with the synthetic phosphor-peptide RKSDPGIR-pS-LGSD corresponding to the amino acids 18-30 of mouse BAD containing phosphorylated Ser26. Antibodies were provided as whole anti-serum.

### **Storage Buffer and Condition:**

Supplied as whole rabbit serum containing 30% Glycerol and 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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**For research use only. Not for therapeutic or diagnostic purposes.**  
**Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**



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**Product Data:**

This product was used for experiments described in Figure 4, Yan et al., 2013, *Cell*, 152:304-315.

**Reference:**

1. Yan J, Xiang J, Lin Y, Ma J, Zhang J, Zhang H, Sun J, Danial NN, Liu J and Lin A. Inactivation of BAD by IKK inhibits TNF $\alpha$ -induced apoptosis independently of NF- $\kappa$ B activation. *Cell* (2013) 152:304-315.