

Datasheet for ABIN7138411  
**anti-BAD antibody (pSer112)**



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2 Images

## Overview

Quantity:	100 µL
Target:	BAD
Binding Specificity:	pSer112
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 112 (H-S-S(p)-Y-P) derived from Mouse BAD.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

## Target Details

Target:	BAD
Alternative Name:	Bad ( <a href="#">BAD Products</a> )

## Target Details

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Background:

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The protein encoded by BAD 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.

Zhang B, et al. (2004). Mol Cell Biol.24 (14): 6205-6214.

Rice PL, et al. (2003). Cancer Res.63 (3): 616-620.

Wang XQ, et al. (2001). J Biol Chem.276 (48): 44504-44511.

Aliases: Bad antibody, Bbc6Bcl2-associated agonist of cell death antibody, BAD antibody, Bcl-2-binding component 6 antibody, Bcl-xL/Bcl-2-associated death promoter antibody, Bcl2 antagonist of cell death antibody

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UniProt:

[Q61337](#)

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Pathways:

[MAPK Signaling](#), [PI3K-Akt Signaling](#), [RTK Signaling](#), [Apoptosis](#), [Fc-epsilon Receptor Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes:

WB:1:500-1:1000, IHC:1:50-1:100,

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Restrictions:

For Research Use only

## Handling

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Format:

Liquid

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Buffer:

Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative:

Sodium azide

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Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

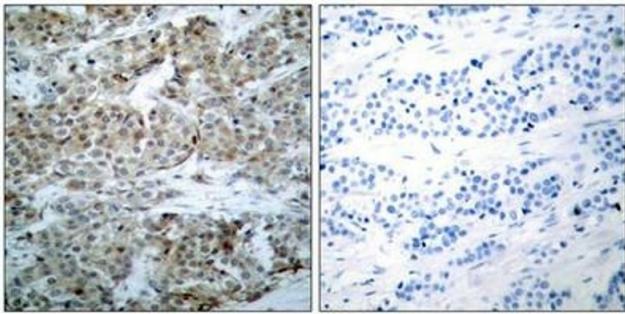
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## Handling

Storage: -20 °C,-80 °C

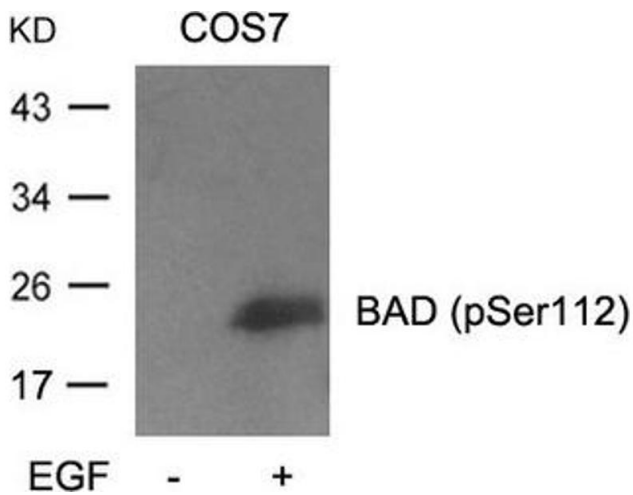
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BAD(Phospho-Ser112) Antibody(left) or the same antibody preincubated with blocking peptide(right).



### Western Blotting

**Image 2.** Western blot analysis of extracts from cos7 cells untreated or treated with EGF using BAD(Phospho-Ser112) Antibody