

Datasheet for ABIN1881101
anti-BAD antibody (pSer57)



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Overview

Quantity:	400 µL
Target:	BAD
Binding Specificity:	pSer57
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAD antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This BAD Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S57 of human BAD.
Clone:	RB39407
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	BAD
Alternative Name:	BAD (BAD Products)
Background:	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are

Target Details

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].

Molecular Weight: 18392

NCBI Accession: [NP_004313](#), [NP_116784](#)

UniProt: [Q92934](#)

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

Application Notes: DB: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

Product cited in: Galmiche, Ezzoukhry, François, Louandre, Sabbagh, Nguyen-Khac, Descamps, Trouillet, Godin, Regimbeau, Joly, Barbare, Duverlie, Mazière, Chatelain: "BAD, a proapoptotic member of the BCL2 family, is a potential therapeutic target in hepatocellular carcinoma." in: **Molecular cancer**

research : MCR, Vol. 8, Issue 8, pp. 1116-25, (2010) ([PubMed](#)).

Yu, Sun, Shen, Gao, Fan, Sun: "Expression of the apoptosis-related genes BCL-2 and BAD in human breast carcinoma and their associated relationship with chemosensitivity." in: **Journal of experimental & clinical cancer research : CR**, Vol. 29, pp. 107, (2010) ([PubMed](#)).



Dot Blot

Image 1. Dot blot analysis of Phospho-BAD-S57 Antibody Phospho-specific Pab (ABIN1881101 and ABIN2850458) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.