

Datasheet for ABIN499399

anti-BAD antibody

2 Images



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Overview

Quantity:	0.1 mg
Target:	BAD
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Murine Bad / Bcl-2-like 8 Peptide
Isotype:	IgG
Specificity:	Bad antibody was raised against a peptide corresponding to 15 amino acids near the C-terminus of human Bad.
Purification:	Ion exchange chromatography

Target Details

Target:	BAD
Abstract:	BAD Products
Background:	Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death (reviewed in 1 and 2). Bcl-2 homology 3 (BH3) domain containing pro-apoptotic

Target Details

proteins, such as Bax, Bid, and Bik, form a growing subclass of the Bcl-2 family. Another such protein is the Bcl-2-antagonist of cell death (Bad). Bad regulates apoptosis by forming heterodimers with anti-apoptotic proteins Bcl-2 and Bcl-xL, thereby preventing them from binding with Bax (3). Bad activity is regulated by its phosphorylation, it is inactivated by kinases such as Akt and MAP kinase and thus promotes cell survival (4), whereas JNK-induced phosphorylation promotes the apoptotic role of Bad (5). Synonyms: 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

Gene ID: 572

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: ELISA. Western Blot: Bad antibody can be used for detection of Bad at 0.5 to 1 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

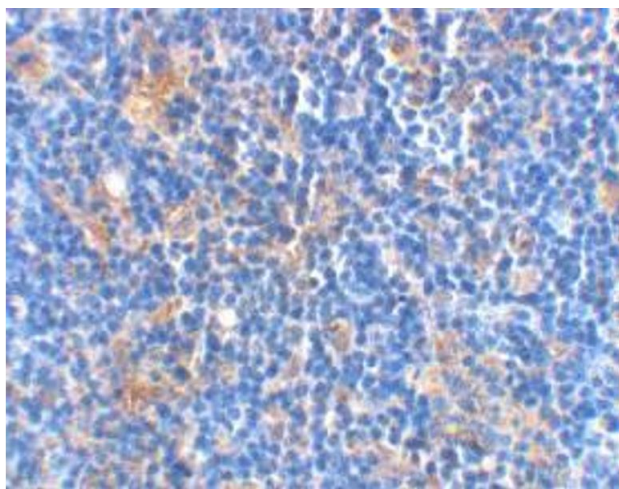
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

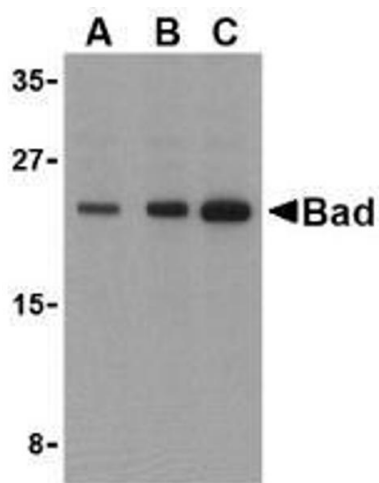
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of rat thymus using AP30114PU-N Bad antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of Bad in T24 cell lysates with AP30114PU-N Bad antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.