

Product datasheet

Anti-Bad antibody ab62465

3 References 3 Images

Overview

<b>Product name</b>	Anti-Bad antibody
<b>Description</b>	Rabbit polyclonal to Bad
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody reacts with Bad
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A 15 amino acid synthetic peptide from near the C terminal of human Bad
<b>Positive control</b>	T24 cell lysate and rat thymus cells

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Ion Exchange Chromatography
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab62465** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

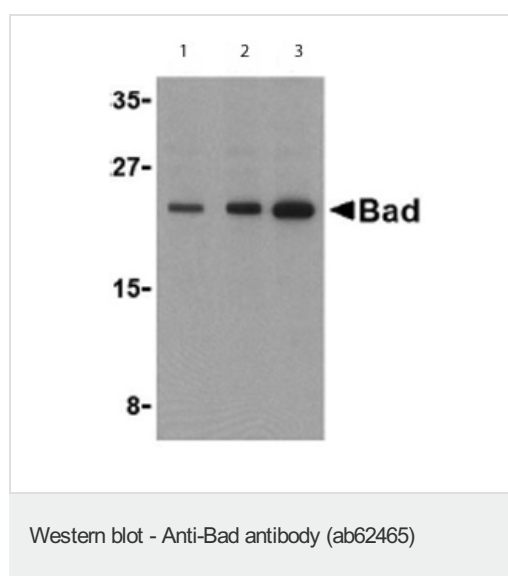
Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 22 kDa (predicted molecular weight: 18 kDa).

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 µg/ml.

## Target

<b>Function</b>	Promotes cell death. Successfully competes for the binding to Bcl-X(L), Bcl-2 and Bcl-W, thereby affecting the level of heterodimerization of these proteins with BAX. Can reverse the death repressor activity of Bcl-X(L), but not that of Bcl-2 (By similarity). Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.
<b>Tissue specificity</b>	Expressed in a wide variety of tissues.
<b>Sequence similarities</b>	Belongs to the Bcl-2 family.
<b>Domain</b>	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
<b>Post-translational modifications</b>	Phosphorylated on one or more of Ser-75, Ser-99, Ser-118 and Ser-134 in response to survival stimuli, which blocks its pro-apoptotic activity. Phosphorylation on Ser-99 or Ser-75 promotes heterodimerization with 14-3-3 proteins. This interaction then facilitates the phosphorylation at Ser-118, a site within the BH3 motif, leading to the release of Bcl-X(L) and the promotion of cell survival. Ser-99 is the major site of AKT/PKB phosphorylation, Ser-118 the major site of protein kinase A (CAPK) phosphorylation. Ser-75 is phosphorylated by AKT/PKB, protein kinase A and PIM2.
<b>Cellular localization</b>	Mitochondrion outer membrane. Cytoplasm. Upon phosphorylation, locates to the cytoplasm.

## Images



**Lane 1 :** Anti-Bad antibody (ab62465) at 0.5 µg/ml

**Lane 2 :** Anti-Bad antibody (ab62465) at 1 µg/ml

**Lane 3 :** Anti-Bad antibody (ab62465) at 2 µg/ml

**All lanes :** T24 cell lysate

Lysates/proteins at 15 µg per lane.

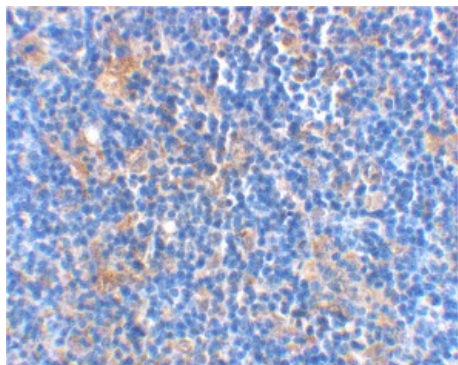
**Secondary**

**All lanes :** Anti rabbit IgG secondary antibody

**Predicted band size:** 18 kDa

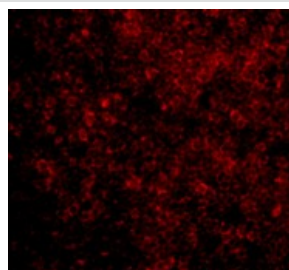
**Observed band size:** 22 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemical staining of rat thymus using ab62465 at 2 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bad antibody (ab62465)



Immunofluorescence of BAD in Rat Thymus cells using ab62465 at 10 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-Bad antibody (ab62465)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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