



Datasheet for ABIN674709  
**anti-BAD antibody (AA 101-204)**



[Go to Product page](#)

1 Validation

3 Images

## Overview

Quantity:	100 µL
Target:	BAD
Binding Specificity:	AA 101-204
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BAD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

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

## Target Details

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**Background:** Synonyms: BBC2, BCL2L8, Bcl2-associated agonist of cell death, BAD, Bcl-2-binding component 6, Bcl-2-like protein 8, Bcl2-L-8, Bcl-xL/Bcl-2-associated death promoter, Bcl2 antagonist of cell death, BBC6

Background: 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.

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**Gene ID:** 572

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**UniProt:** [Q92934](#)

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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 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

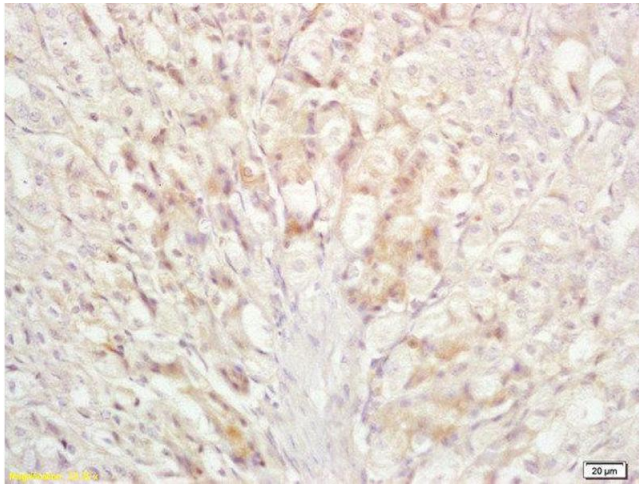
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

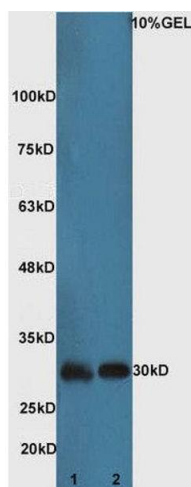
Expiry Date: 12 months

## Images



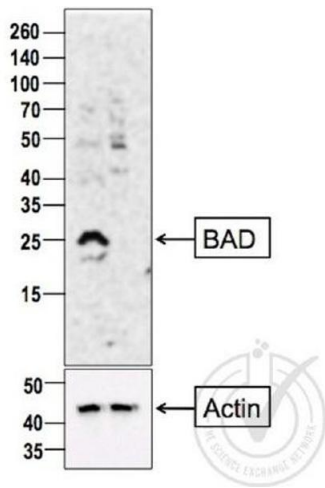
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded mouse stomach labeled with Anti-Bad Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Western Blotting

**Image 2.** Lane 1: Mouse kidney lysate Lane 2: Mouse brain lysate probed with Rabbit Anti-Bad Polyclonal Antibody, Unconjugated (ABIN674709) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.



### Western Blotting

**Image 3.** Image provided by the Independent Validation Program (badge number 29802). Lane 1: MCF7, Lane 2: c6/36 mosquito cell extract (non-reactive species) probed with Rabbit Anti-BAD Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C. Followed by conjugation to secondary antibody at 1:10000 for 60 min at 26°C.



### Successfully validated (Western Blotting (WB))

by [Alamo Laboratories Inc](#)

Report Number: 029802

Date: Aug 26 2014

Lot Number: 090915

Method validated: Western Blotting (WB)

Positive Control: [MCF7 cells](#)

Negative Control: [C6/36 cells \(non-reactive species\)](#)

Notes: A strong band was observed in the positive control sample at the correct molecular weight. No bands were observed in the negative control sample.

Primary Antibody: - Antigen: BCL2-Associated Agonist of Cell Death (BAD) - Catalog number: ABIN674709 - Supplier: Bioss - Supplier catalog number: bs-1304R - Lot number: 090915 - Antibody Dilution: 1:200

Secondary Antibody: - Antigen: Goat Anti-Rabbit IgG (H + L)-HRP Conjugate - Supplier: Bio-Rad - Catalog number: #170-6515 - Lot number: L170-6515 - Antibody Dilution: 1:10,000

Controls:

- Positive control: MCF7 cells
- Negative control: C6/36 cells

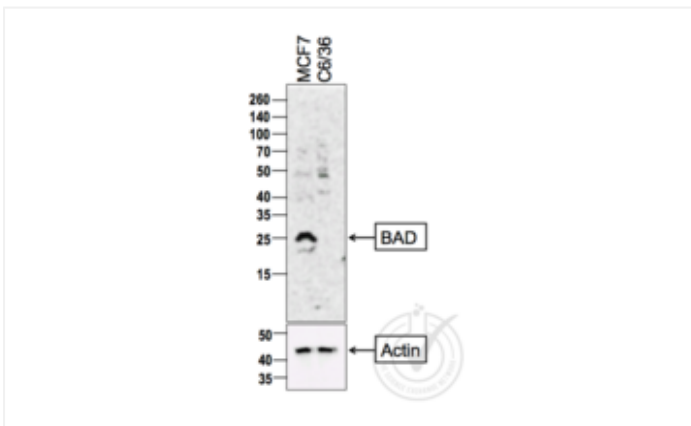
Protocol:

- 1. The cell extracts were heated at 95°C for 5 minutes in 1X SDS Sample Buffer containing 1% SDS and 1.25%  $\beta$ -mercaptoethanol.
- 2. 15  $\mu$ l of heated extracts were loaded and resolved on 8-16% SDS-polyacrylamide gel.
- 3. The Thermo Scientific - Spectra Multicolor Broad Range (Cat # 26634) were used as molecular mass markers.
- 4. Proteins were then transferred onto PVDF membrane by wet transfer and protein transfer was confirmed with Ponceau-S staining.
- 5. The PVDF membrane was incubated with 25 ml of blocking buffer [Tris Buffered Saline, pH 7.4 plus 0.1% TW20 (TBST)] containing 5% (W/V) BSA at room temperature for 1 hour.
- 6. The membrane was rinsed with TBST once.
- 7. The membrane was immersed with the protein side up in the primary antibody solution in TBST containing 5% (W/V) BSA and incubated for 16 hours at 4°C.
- 8. The membrane was rinsed in TBST thrice for 5 minutes each.
- 9. The membrane was incubated in the HRP-conjugated secondary antibody solution in TBST containing 5% (W/V) BSA and incubated for 1 hour at room temperature (~26°C) with gentle agitation.

- 10. The membrane was rinsed thrice TBST thrice for 5 minutes each.
- 11. The membrane was rinsed in TBS twice for 30 seconds each.
- 12. Signals were detected with ECL-2 Substrate. The blot was scanned for 600 seconds.
- 13. The membrane was rinsed three times TBST.
- 14. Incubated in Acidic Glycine Stripping Buffer at room temperature with gentle agitation for 3 times, 10 minutes each.
- 15. The membrane was washed in TBST 2 times for 10 minutes each.
- 16. Repeated Steps 5-12 with the loading control antibody (for Anti-actin) and its matching secondary antibody.

Experimental Notes: - No experimental challenges noted.

### Image for Validation report #029802



#### Validation image no. 1 for anti-BCL2-Associated Agonist of Cell Death (BAD) (AA 101-204) antibody (ABIN674709)

Figure 1: Western Blot for BAD. Arrowhead indicates the expected molecular weight of ~18 kDa.