

# BAD antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI10009

#### **Product Information**

Application WB
Primary Accession Q92934

**Reactivity**Human, Mouse, Rat, Rabbit, Guinea Pig, Horse, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Guinea Pig, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 18392

#### **Additional Information**

Gene ID 572

Alias Symbol BBC2, BCL2L8

Other Names 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, BAD, BBC6, BCL2L8

**Target/Specificity** The protein encoded by this 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.

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 50 ul of distilled water. Final anti-BAD antibody concentration is 1 mg/ml

in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C.

Avoid repeat freeze-thaw cycles.

**Precautions**BAD antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name BAD

Synonyms BBC6, BCL2L8

**Function** 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.

**Cellular Location** Mitochondrion outer membrane. Cytoplasm

{ECO:0000250 | UniProtKB:Q61337}. Note=Colocalizes with HIF3A in the cytoplasm (By similarity). Upon phosphorylation, locates to the cytoplasm.

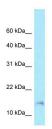
{ECO:0000250 | UniProtKB:Q61337}

**Tissue Location** Expressed in a wide variety of tissues.

## **Background**

This is a rabbit polyclonal antibody against BAD. It was validated on Western Blot by Abgent. At Abgent we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

### **Images**



BAD antibody - middle region (AI10009) in Human 721\_B cells using Western Blot

WB Suggested Anti-BAD Antibody Titration: 1.0  $\mu g/ml$ 

Positive Control: 721\_B Whole Cell

BAD is strongly supported by BioGPS gene expression

data to be expressed in Human 721\_B cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.