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# mouse BAD Antibody (Center S112/S111/Y113)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18695c

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q61337 |
| **Other Accession** | O35147, NP_031548.1 |
| **Reactivity** | Mouse |
| **Predicted** | Rat, Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB39400 |
| **Calculated MW** | 22080 |
| **Antigen Region** | 90-118 |

## Additional Information

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| **Gene ID** | 12015 |
| **Other Names** | Bcl2-associated agonist of cell death, BAD, Bcl-2-binding component 6, Bcl-xL/Bcl-2-associated death promoter, Bcl2 antagonist of cell death, Bad, Bbc6 |
| **Target/Specificity** | This mouse BAD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-118 amino acids from the Central region of mouse BAD. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | mouse BAD Antibody (Center S112/S111/Y113) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | Bad |
| **Synonyms** | Bbc6 |

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| **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. Appears to act as a link between growth factor receptor signaling and the apoptotic pathways. |
| **Cellular Location** | Mitochondrion outer membrane. Cytoplasm. Note=Colocalizes with HIF3A isoform 2 in the cytoplasm (PubMed:21546903). Upon phosphorylation, locates to the cytoplasm. |

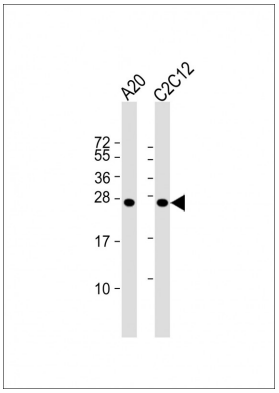
## Background

BAD promotes cell death. It 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. Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.

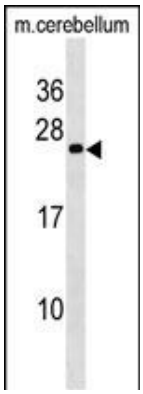
## References


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Frenzel, A., et al. Blood 115(5):995-1005(2010)
Quoyer, J., et al. J. Biol. Chem. 285(3):1989-2002(2010)
Polzien, L., et al. J. Biol. Chem. 284(41):28004-28020(2009)
Wu, X., et al. Diabetologia 52(10):2130-2141(2009)


## Images




All lanes : Anti-mouse BAD Antibody at 1:1000 dilution Lane 1: A20 whole cell lysate Lane 2: C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.




Mouse BAD Antibody (Center S112/S111/Y113) (Cat. #AP18695c) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the BAD antibody detected the BAD protein (arrow).


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