

# Phospho-mBad(Ser155) Antibody

Purified Phospho-specific Monoclonal Antibody (Mab)

Catalog # AM1029a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q61337</a>
<b>Other Accession</b>	<a href="#">NP_031548</a>
<b>Reactivity</b>	Mouse, Rat, Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1
<b>Clone Names</b>	27AT381
<b>Calculated MW</b>	22080

## Additional Information

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<b>Gene ID</b>	12015
<b>Other Names</b>	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
<b>Target/Specificity</b>	This mouse Bad Antibody is generated from mice immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Ser155 of mouse Bad.
<b>Dilution</b>	WB~~1:500~1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<b>Storage</b>	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.
<b>Precautions</b>	Phospho-mBad(Ser155) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Bad
<b>Synonyms</b>	Bbc6
<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. 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.

## References

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Suppression of B-cell lymphomagenesis by the BH3-only proteins Bmf and Bad. Frenzel A, et al. Blood, 2010 Feb 4. PMID 19965635.

GLP-1 mediates antiapoptotic effect by phosphorylating Bad through a beta-arrestin 1-mediated ERK1/2 activation in pancreatic beta-cells. Quoyer J, et al. J Biol Chem, 2010 Jan 15. PMID 19915011.

Identification of novel in vivo phosphorylation sites of the human proapoptotic protein BAD: pore-forming activity of BAD is regulated by phosphorylation. Polzien L, et al. J Biol Chem, 2009 Oct 9. PMID 19667065.

Perinatal survivin is essential for the establishment of pancreatic beta cell mass in mice. Wu X, et al. Diabetologia, 2009 Oct. PMID 19644667.

MEK/ERK-mediated phosphorylation of Bim is required to ensure survival of T and B lymphocytes during mitogenic stimulation. O'Reilly LA, et al. J Immunol, 2009 Jul 1. PMID 19542438.

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