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Phospho-mBad(Ser155) Antibody

Purified Phospho-specific Monoclonal Antibody (Mab)
Catalog # AM1029a

Product Information

Application	WB, E
Primary Accession	Q61337
Other Accession	NP_031548
Reactivity	Mouse, Rat, Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	27AT381
Calculated MW	22080

Additional Information

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 mice immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Ser155 of mouse Bad.
Dilution	WB~~1:500~1000 E~~Use at an assay dependent concentration.
Format	fomat 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.
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	Phospho-mBad(Ser155) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

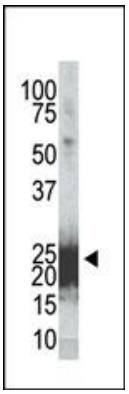
Name	Bad
Synonyms	Bbc6
Function	Promotes cell death. Successfully competes for the binding to Bcl-X(L), Bcl-2

	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.

References

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.

Images



Western analysis of cell extracts from 293 cells transfected with Flag-Bad, using Phospho-mBad-Ser155 Antibody.