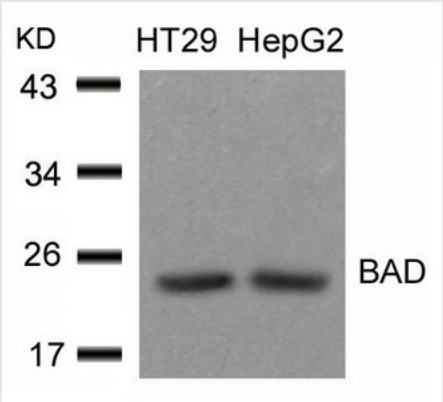
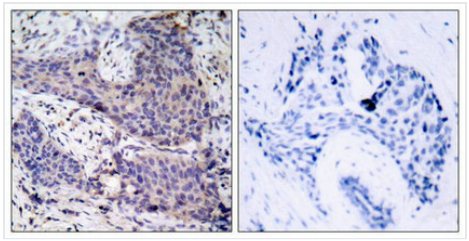
BAD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Bad, Polyclonal Antibody
Full Product Name	Bad (Ab-136) Antibody
Product Gene Name	anti-Bad antibody
Product Synonym Names	Bbc2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Supplied at 1.0mg/mL In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were Purified by affinity-chromatography using epitope-specific peptide.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	22,080 Da
Chromosome Location	Chromosome: 19; NC_000085.6 (6941855..6951893). Location: 19 A; 19
3D Structure	ModBase 3D Structure for Q61337
Immunogen	Peptide sequence around aa.134~138 (S-R-S-A-P) derived from Mouse BAD.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-Bad antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Bad antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-Bad antibody	WB: 1:500-1:1000 IHC: 1:50-1:200
Related Product Information for anti-Bad antibody	MBS7131909 is an antibody targeting Bad. Also known as Bad (Ab-136) Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-Bad antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Bad antibody
Western blot analysis of extracts from HT29 and HepG2 cells using BAD(Ab-136) Antibody.



Immunohistochemistry (IHC) of anti-Bad antibody
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BAD(Ab-136) Antibody(left) or the same antibody preincubated with blocking peptide(right).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Bad. It may not necessarily be applicable to this product.

NCBI GI #	6671610
NCBI GeneID	12015
NCBI Accession #	NP_031548.1
UniProt Primary Accession #	Q61337
UniProt Related Accession #	Q61337
GenBank Nucleotide #	NM_007522.2
NCBI Official Full Name	bcl2 antagonist of cell death
NCBI Official Synonym Full Names	BCL2-associated agonist of cell death
NCBI Official Symbol	Bad
NCBI Official Synonym Symbols	Bbc2; AI325008
UniProt Protein Name	Bcl2 antagonist of cell death
UniProt Synonym Protein Names	Bcl-2-binding component 6; Bcl-xL/Bcl-2-associated death promoter
Protein Family	Bcl2-associated agonist of cell death
UniProt Gene Name	Bad
UniProt Synonym Gene Names	Bbc6; BAD
UniProt Entry Name	BAD_MOUSE
NCBI Protein Information	bcl2 antagonist of cell death; bcl-2-binding component 6; Bcl-associated death promoter; bcl-xL/Bcl-2-associated death promoter

UniProt Comments for Bad	BAD: a proapoptotic member of the Bcl-2 family. Displaces Bax from binding to Bcl-2 and Bcl-xL, resulting in cell death. Survival factors such as IL-3 can inhibit the apoptotic activity of Bad inducing the phosphorylation of Bad by Akt and p90RSK. 14-3-3 proteins bind phosphorylated Bad, inhibiting its binding to Bcl-2 and Bcl-xL. Phosphorylation by mitochondria-anchored PKA in the BH3 domain can block the dimerization of Bad and Bcl-xL. Protein type: Apoptosis Cellular Component: mitochondrial outer membrane; membrane; mitochondrion; cytoplasm; intracellular; cytosol Molecular Function: protein kinase B binding; protein binding; protein heterodimerization activity; phospholipid binding; caspase activator activity; protein phosphatase binding; lipid binding; protein kinase binding; protein phosphatase 2B binding Biological Process: apoptosis; positive regulation of proteolysis; positive regulation of apoptosis; positive regulation of caspase activity; regulation of caspase activity; cellular process regulating host cell cycle in response to virus; glucose homeostasis; positive regulation of apoptosis by virus; regulation of apoptosis; pore complex biogenesis; positive regulation of glucokinase activity; caspase activation; release of cytochrome c from mitochondria; cytokine and chemokine mediated signaling pathway; suppression by virus of host apoptosis; ADP metabolic process; positive regulation of insulin secretion; ATP metabolic process; cell proliferation; glucose catabolic process; induction of apoptosis via death domain receptors; DNA damage response, signal transduction resulting in induction of apoptosis; positive regulation of T cell differentiation; positive regulation of B cell differentiation; regulation of mitochondrial membrane permeability; positive regulation of epithelial cell proliferation
Research Articles on Bad	**1.** our study suggests that Bad and Bmf co-regulate lymphocyte homeostasis and limit spontaneous transformation by mechanisms that may not exclusively be linked to the induction of lymphocyte apoptosis.
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