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Mouse BAD Antibody (C-term T201) Blocking Peptide

Synthetic peptide
Catalog # BP18613c

Specification

Mouse BAD Antibody (C-term T201) Blocking Peptide - Product Information

Primary Accession Q61337

Mouse BAD Antibody (C-term T201) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse BAD Antibody (C-term T201) Blocking Peptide - 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.

Mouse BAD Antibody (C-term T201) Blocking Peptide - Background

The protein encoded by this gene is a member of the BCL-2family. BCL-2 family members are known to be regulators ofprogrammed cell death. This protein positively regulates cellapoptosis by forming heterodimers with BCL-xL and BCL-2, andreversing their death repressor activity. Proapoptotic activity ofthis protein is regulated through its phosphorylation. Proteinkinases AKT and MAP kinase, as well as protein phosphatasecalcineurin were found to be involved in the regulation of thisprotein. Alternative splicing of this gene results in twotranscript variants which encode the same isoform. [provided byRefSeq].

Mouse BAD Antibody (C-term T201) Blocking Peptide - References

Santidrian, A.F., et al. Blood 116(16):3023-3032(2010)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)

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.

Mouse BAD Antibody (C-term T201) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides