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Phospho-rat BAD(S97) Blocking Peptide

Synthetic peptide
Catalog # BP3777p

Specification

Phospho-rat BAD(S97) Blocking Peptide - Product Information

Primary Accession	O35147
Other Accession	NP_073189.1

Phospho-rat BAD(S97) Blocking Peptide - Additional Information

Gene ID 64639

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

Target/Specificity
The synthetic peptide sequence is selected from aa 90-104 of RAT Bad

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.

Phospho-rat BAD(S97) Blocking Peptide - Protein Information

Name Bad

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 (By similarity). Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.

Cellular Location
Mitochondrion outer membrane. Cytoplasm {ECO:0000250|UniProtKB:Q61337}. Note=Colocalizes with HIF3A in the cytoplasm. Upon phosphorylation, locates to the cytoplasm {ECO:0000250|UniProtKB:Q61337}

Tissue Location
Expressed in all tissues tested, including brain, liver, spleen and heart. In the brain, restricted to epithelial cells of the choroid plexus. Isoform alpha is the more abundant form

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Phospho-rat BAD(S97) Blocking Peptide - Protocols

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

- Blocking Peptides

Phospho-rat BAD(S97) Blocking Peptide - Images

Phospho-rat BAD(S97) Blocking Peptide - Background

Bad may be involved in induction of programmed cell death [RGD].

Phospho-rat BAD(S97) Blocking Peptide - References

Huang, C., et al. J. Surg. Res. 164 (1), E1-E11 (2010) : Ahn, S., et al. J. Biol. Chem. 284(13):8855-8865(2009) Koh, P.O. Am. J. Chin. Med. 37(5):867-876(2009) Surgucheva, I., et al. J. Biol. Chem. 283(52):36377-36385(2008) Tommasini, I., et al. J. Immunol. 181(8):5637-5645(2008)