



## Phospho-rat BAD(S109) Blocking Peptide

Synthetic peptide Catalog # BP3777n

## **Specification**

Phospho-rat BAD(S109) Blocking Peptide - Product Information

Primary Accession O35147
Other Accession NP 073189.1

Phospho-rat BAD(S109) 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 102-115 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(S109) 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

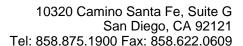
# Phospho-rat BAD(S109) Blocking Peptide - Background

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

## Phospho-rat BAD(S109) 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)





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

## Phospho-rat BAD(S109) Blocking Peptide - Protocols

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

• Blocking Peptides