

**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

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Background**

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

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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](#)