

**Phospho-rat BAD(S109) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP3777n****Specification**

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**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 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](#)

### **Phospho-rat BAD(S109) Blocking Peptide - Images**

### **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)