

**Phospho-rat BAD(S97) Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3777p**

**Specification**

**Phospho-rat BAD(S97) Antibody - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | DB,E                        |
| Primary Accession | <a href="#">O35147</a>      |
| Other Accession   | <a href="#">NP_073189.1</a> |
| Reactivity        | Rat                         |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit Ig                   |
| Calculated MW     | 22228                       |

**Phospho-rat BAD(S97) Antibody - 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**

This rat BAD Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S97 of rat BAD.

**Dilution**

DB~~1:500

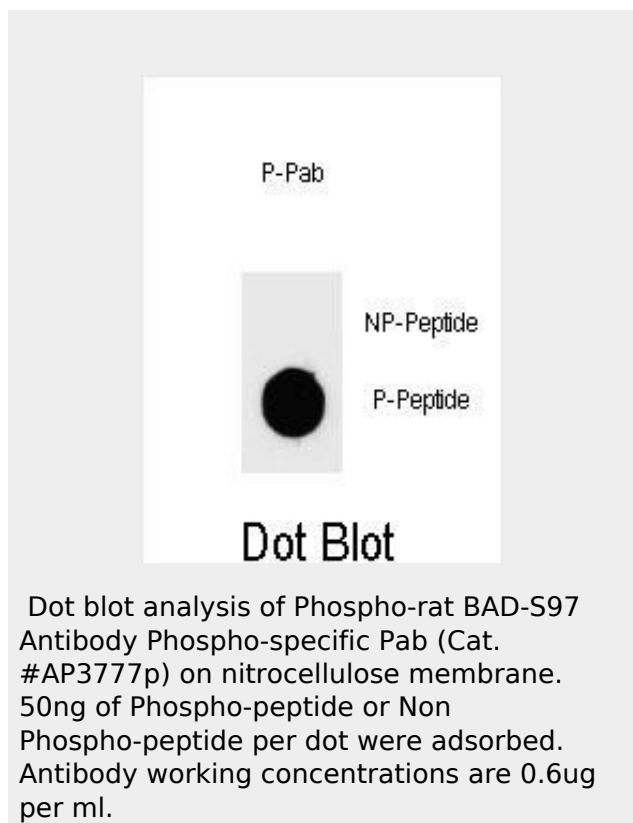
**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**



**Phospho-rat BAD(S97) Antibody - Background**

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

**Phospho-rat BAD(S97) Antibody - 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)

Phospho-rat BAD(S97) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Phospho-rat BAD(S97) Antibody - 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(S97) Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)