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Phospho-rat BAD(S109) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3777n

Specification

Phospho-rat BAD(S109) Antibody - Product Information

Application	**DB,E**
Primary Accession	O35147
Other Accession	NP_073189.1
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**22228**

Phospho-rat BAD(S109) 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 S109 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(S109) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-rat BAD(S109) 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}

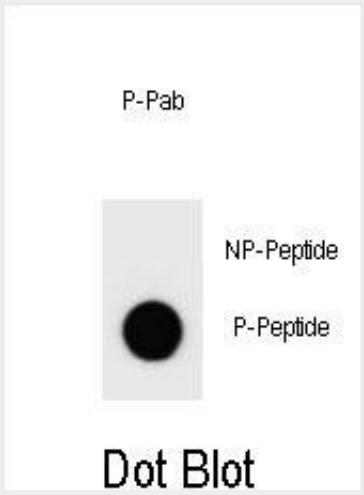
Tissue Location
Expressed in all tissues tested, including brain, liver, spleen and heart. In the brain, restricted to epithelial cells of the choroid plexus. Isoform alpha is the more abundant form

Phospho-rat BAD(S109) 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 Cytomety
- Cell Culture

Phospho-rat BAD(S109) Antibody - Images



Dot blot analysis of Phospho-rat BAD-S109 Antibody Phospho-specific Pab (Cat. #AP3777n) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Phospho-rat BAD(S109) Antibody - Background

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

Phospho-rat BAD(S109) Antibody - References

Huang, C., et al. J. Surg. Res. 164 (1), E1-E11 (2010) :

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Koh, P.O. Am. J. Chin. Med. 37(5):867-876(2009)
Surgucheva, I., et al. J. Biol. Chem. 283(52):36377-36385(2008)
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