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Phospho-rat BAD(S109) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3777n

Product Information

Application	DB, E
Primary Accession	O35147
Other Accession	NP_073189.1
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39695
Calculated MW	22228

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 E~~Use at an assay dependent concentration.
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.

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

Background

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

References

Huang, C., et al. J. Surg. Res. 164 (1), E1-E11 (2010) :
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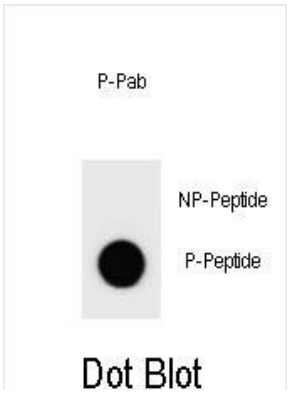
Koh, P.O. Am. J. Chin. Med. 37(5):867-876(2009)
Surgucheva, I., et al. J. Biol. Chem. 283(52):36377-36385(2008)
Tommasini, I., et al. J. Immunol. 181(8):5637-5645(2008)

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.