10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-mouse BAD(S112) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3777b

Product Information

Application	DB, E
Primary Accession	Q61337
Other Accession	O35147, NP_031548.1
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39691
Calculated MW	22080

Additional Information

Gene ID	12015
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, Bbc6
Target/Specificity	This mouse BAD Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S112 of mouse 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-mouse BAD(S112) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Bad
Synonyms	Bbc6

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. Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.
Cellular Location	Mitochondrion outer membrane. Cytoplasm. Note=Colocalizes with HIF3A isoform 2 in the cytoplasm (PubMed:21546903). Upon phosphorylation, locates to the cytoplasm.

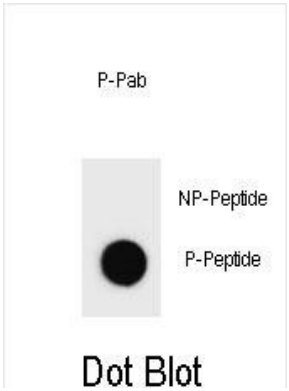
Background

BAD 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. Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.

References

Santidrian, A.F., et al. Blood 116(16):3023-3032(2010)
Frenzel, A., et al. Blood 115(5):995-1005(2010)
Quoyer, J., et al. J. Biol. Chem. 285(3):1989-2002(2010)
Polzien, L., et al. J. Biol. Chem. 284(41):28004-28020(2009)
Wu, X., et al. Diabetologia 52(10):2130-2141(2009)

Images



Dot blot analysis of Phospho-mouse BAD-S112 Antibody Phospho-specific Pab (Cat. #AP3777b) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.