

# Phospho-mouse BAD(Y113) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP3777k

## Product Information

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<b>Application</b>	DB, E
<b>Primary Accession</b>	<a href="#">Q61337</a>
<b>Other Accession</b>	<a href="#">Q35147</a> , <a href="#">NP_031548.1</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB39400
<b>Calculated MW</b>	22080

## Additional Information

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<b>Gene ID</b>	12015
<b>Other Names</b>	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
<b>Target/Specificity</b>	This mouse BAD Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y113 of mouse BAD.
<b>Dilution</b>	DB~~1:500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Phospho-mouse BAD(Y113) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Bad
<b>Synonyms</b>	Bbc6

<b>Function</b>	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.
<b>Cellular Location</b>	Mitochondrion outer membrane. Cytoplasm. Note=Colocalizes with HIF3A isoform 2 in the cytoplasm (PubMed:21546903). Upon phosphorylation, locates to the cytoplasm.

## Background

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

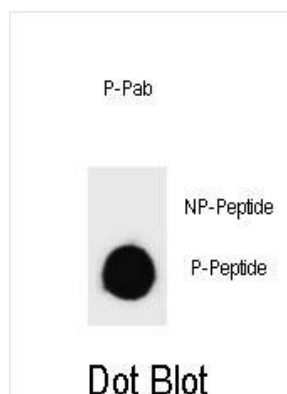
## References

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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

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Dot blot analysis of Phospho-mouse BAD-Y113 Antibody Phospho-specific Pab (Cat. #AP3777k) 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'.