

For Research Use Only

# Phospho-BAD (Ser112) Recombinant monoclonal antibody

Catalog Number: 80431-2-RR



## Basic Information

Catalog Number:

80431-2-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC001901

GeneID (NCBI):

572

UNIPROT ID:

Q92934

Full Name:

BCL2-associated agonist of cell death

Calculated MW:

18 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

251074F11

Recommended Dilutions:

WB: 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,

## Background Information

BAD, a distant member of the BCL-2 family, exerts its death promoting effect by hetero-dimerizing with BCL-XL and BCL-2 death antagonists in the mitochondria. The function of the pro-apoptotic molecule BAD is regulated by phosphorylation of two sites, serine-112 (Ser-112) and serine-136 (Ser-136). Phosphorylation at either site results in loss of the ability of BAD to heterodimerize with the survival proteins BCL-XL or BCL-2. Phosphorylated BAD binds to 14-3-3 and is sequestered in the cytoplasm. (PMID: 10597268)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

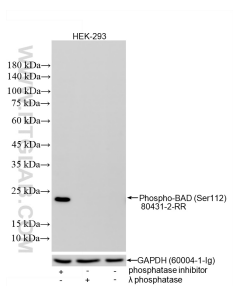
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## Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and  $\lambda$  phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80431-2-RR (Phospho-BAD (Ser112) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.