

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### p-BAD (S136) pAb

Cat No.: BS4021

Host: Rabbit

Reactivity: Human, Mouse, Rat

#### BACKGROUND

Phosphorylation of Bad, a pro-apoptotic member of the Bcl-2 protein family, on either Serine 112 or Serine 136 is thought to be necessary and sufficient for growth factors to promote cell survival. Serine 155 is a major site of phosphorylation by protein kinase A (PKA) and serum-induced kinases. Serine 155 phosphorylation requires the prior phosphorylation of Serine 136, which recruits 14-3-3 proteins that then function to increase the stability of Serine 155 to survival-promoting kinases. Like Serine 112 and Serine 136, phosphorylation of Serine 155 inhibits the pro-apoptotic function of Bad. Serine 155 phosphorylation disrupts the binding of Bad to pro-survival Bcl-2 proteins and thereby promotes cell survival. Specificity □ p-BAD (S136) antibody detects endogenous levels of BAD protein only when phosphorylated at S136.

#### PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

#### Molecular Weight

~23.0 kDa

#### PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

#### APPLICATIONS

WB: 1:500 ~ 1:1000

IHC: 1:50 ~ 1:200 (Recommended Dilutions)

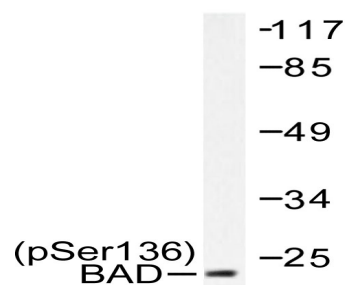
#### STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

#### SPECIFICITY

p-BAD (S136) pAb detects endogenous levels of BAD protein only when phosphorylated at S136.

#### DATA



Western blot (WB) analysis of p-BAD (S136) pAb in extracts from NIH/3T3 cells treated with Forskolin.



Immunohistochemistry (IHC) analyzes of p-BAD (S136) pAb in paraffin-embedded human breast carcinoma tissue.

#### RESEARCH USE

For research use only, not for use in diagnostic procedures.

Bioworld Technology, Inc.

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