

# PRODUCT DATA SHEET

Bioworld Technology, Inc.

# BID (phospho-S78) polyclonal antibody

Catalog: BS4297 Host: Rabbit Reactivity: Human, Mouse, Rat

#### **BackGround:**

BID, a BH3 domain containing proapoptotic Bcl2 family member, is localized in the cytosolic fraction of cells as an inactive precursor. Its active form is generated upon proteolytic cleavage by caspase 8 in the Fas signaling pathway. Cleaved Bid translocates to mitochondria and releases its potent proapoptotic activity, which in turn induces cytochrome c release and mitochondrial damage. The cytochrome c releasing activity of Bid was antagonized by Bcl2. Mutation in the SH3 domain can diminish the cytochrome c releasing activity. In animal model studies, Bid deficient mice are found resistant to the lethal effects of death factor signals relayed through Fas.

#### **Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### **Molecular Weight:**

~ 22 kDa

### **Swiss-Prot:**

P55957

### **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:**

IHC: 1:50~1:200

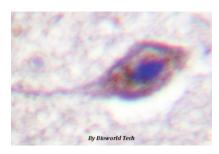
### Storage&Stability:

Store at  $4 \, \mathbb{C}$  short term. Aliquot and store at  $-20 \, \mathbb{C}$  long term. Avoid freeze-thaw cycles.

## **Specificity:**

p-BID (S78) polyclonal antibody detects endogenous levels of BID protein only when phosphorylated at Ser78.

#### **DATA:**



Immunohistochemistry (IHC) analyzes of p-BID (S78) pAb in paraffin-embedded human brain tissue.

#### Note:

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

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