

Datasheet for ABIN6699541 **BAD Protein (GST tag)**



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	BAD
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAD protein is labelled with GST tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	BAD recombinant protein-GST fusion protein
Purification:	Recombinant full-length human BAD was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Purity:	>85%

Target Details

Target:	BAD
Alternative Name:	BAD (BAD Products)
Background:	Synonyms: BBC2, BCL2L8, Bcl2-associated agonist of cell death, Bcl2 antagonist of cell death, Bcl-2-binding component 6, Bcl-2-like protein 8 Background: BAD is a member of the BCL-2 family of proteins that are known to be regulators

Target Details

of programmed cell death. BAD is a pro-apoptotic protein that forms a heterodimer complex with BCL-xL and BCL-2 which reverses the prosurvival activity of these proteins (1). The proapoptotic activity of BAD is regulated through its phosphorylation and this inhibits the pro-apoptosis function of BAD. Protein kinases such as AKT, RAF and RSK1 can phosphorylate BAD and RSK1-induced phosphorylation of BAD at ser112 suppresses BAD-mediated apoptosis in neurons. BAD inhibits G(1) to S phase transition in MCF7 breast cancer cells and overexpression of BAD inhibits cell growth as well as cyclin D1 expression (2). BAD Protein is ideal for investigators involved in Signaling Proteins, Apoptosis Proteins, Apoptosis/Autophagy, Cancer, Cellular Stress, and Neurobiology research.

NCBI Accession: [NM_032989](#)

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [RTK Signaling](#), [Apoptosis](#), [Fc-epsilon Receptor Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: Human BAD Protein has been tested by SDS-Page and is suitable for use in Western Blot. Expect a band approximately ~ 47 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: BAD Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months