

bs-0892R**[Primary Antibody]****Bad Rabbit pAb****BioSS**
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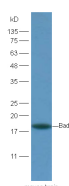
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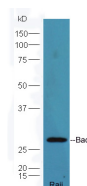
DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 572**SWISS:** Q92934**Target:** Bad**Immunogen:** KLH conjugated synthetic peptide derived from human Bad: 120-204/204.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

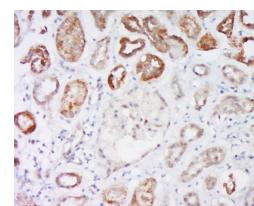
Background: Bad is a member of the Bcl2 family and acts to promote apoptosis by forming heterodimers with the survival proteins Bcl2 and BclxL, thus preventing them from binding with BAX. Bad is found on the outer mitochondrial membrane and, once phosphorylated in response to growth stimuli, translocates to the cytoplasm. The phosphorylation status of Bad represents a key checkpoint for death or cell survival. JNK-induced phosphorylation of BAD serine 128 promotes the apoptotic role of Bad by opposing the inhibitory effect of growth factor on Bad-mediated apoptosis. Cdc2-induced phosphorylation of Bad serine 128 has an inhibitory effect on its interaction with 14-3-3 proteins. The latter interaction is critical for Bad phosphorylation at serine 155, a site within the BH3 domain that leads to the release of BclxL and the promotion of cell survival. Alternative splicing of this gene results in two transcript variants which encode the same isoform.

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (3ug/Test)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 18 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

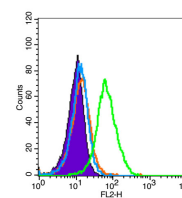
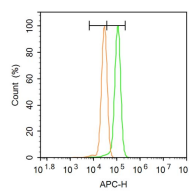
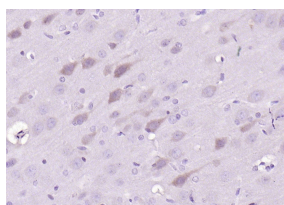
Protein: Brain(Mouse)lysates, 30ug; Primary: Anti-Bad (bs-0892R) at 1:200; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size : 18 kD Observed band size : 18 kD



Sample: Raji Cell lysate 30ug; Primary: Anti-Bad (bs-0892R) at 1:300; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) at 1:5000; Predicted band size :18 kD Observed band size : 27 kD



Tissue/cell: Human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Bad Polyclonal Antibody, Unconjugated(bs-0892R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Bad) Polyclonal Antibody, Unconjugated (bs-0892R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Blank control: A431(Black). Primary Antibody (green line): Rabbit Anti-Bad antibody (bs-0892R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at -20°C .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Blank control (Black line): Jurkat(Black). Primary Antibody (green line): Rabbit Anti-Bad antibody (bs-0892R) Dilution: 3µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 15 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=5.89]** Rentao Zhang. et al. Anti-Gastric Cancer Activity of the Cell-free Culture Supernatant of Serofluid Dish and Lactiplantibacillus plantarum YT013. FRONT BIOENG BIOTECH. 2022; 10: 898240 WB ;Human. 35677304
- **[IF=6.2]** Zhan Wang. et al.A network toxicology and machine learning approach to investigate the mechanism of kidney injury from melamine and cyanuric acid co-exposure..ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY.2025 Mar 15:293:118029. Western blot ;Rat. 40088607
- **[IF=5.123]** Rentao Zhang. et al. Exopolysaccharide from Lactiplantibacillus plantarum YT013 and Its Apoptotic Activity on Gastric Cancer AGS Cells. Fermentation-Basel. 2023 Jun;9(6):539 WB ;Human. 10.3390/fermentation9060539
- **[IF=3.69]** Sheng Zhang. et al. Proteomics analysis in the kidney of mice following oral feeding Realgar. J Ethnopharmacol. 2021 Jul;275:114118 WB ;Mouse. 33878415
- **[IF=3.8]** Bang-Hua Zhong. et al. Transcription factor FOXF2 promotes the development and progression of pancreatic cancer by targeting MSI2. ONCOL REP. 2024 Jul;52(1):1-13 WB ;Human. 38847273