

bs-5904R

[Primary Antibody]

GADD45B Rabbit pAb

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ANTIBODIES

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DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 4616

SWISS: O75293

Target: GADD45B

Immunogen: KLH conjugated synthetic peptide derived from human GADD45B.: 81-160/160.

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: Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

Applications: WB (1:500-2000)

IHC-P (1:100-500)

IHC-F (1:100-500)

IF (1:100-500)

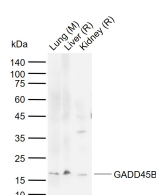
Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse
(predicted: Rat, Pig, Cow, Dog, GuineaPig, Horse)

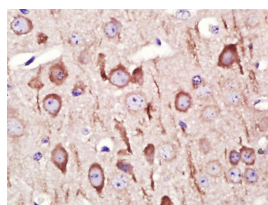
Predicted MW.: 18 kDa

Subcellular Location: Cytoplasm ,Nucleus

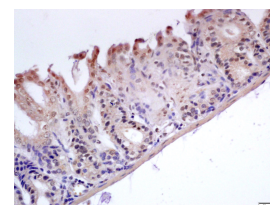
VALIDATION IMAGES



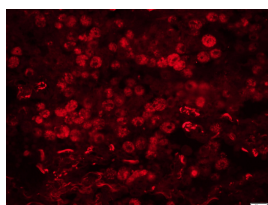
Sample: Lane 1: Mouse Lung tissue lysates Lane 2: Rat Liver tissue lysates Lane 3: Rat Kidney tissue lysates Primary: Anti-GADD45B (bs-5904R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kDa Observed band size: 18 kDa



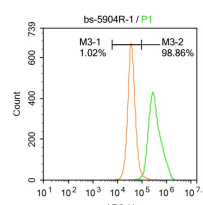
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GADD45B) Polyclonal Antibody, Unconjugated (bs-5904R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse stomach 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-GADD45B Polyclonal Antibody, Unconjugated(bs-5904R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GADD45B Polyclonal Antibody, Unconjugated(bs-5904R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3) used at 1:200 dilution for 40 minutes at 37°C.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-GADD45B antibody (bs-5904R) 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 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min

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

at room temperature. The secondary antibody
used for 40 min at room temperature.
Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=5.6]** Ming Xie. et al. GADD45A and GADD45B as Novel Biomarkers Associated with Chromatin Regulators in Renal Ischemia-Reperfusion Injury. INT J MOL SCI. 2023 Jan;24(14):11304 WB,IHC,IF ;Mouse. 37511062
- **[IF=5.2]** Weishan Zhang. et al. The Antibiotic-Resistant Protein MfpA Modulates Host Cell Apoptosis and Promotes Mycobacterial Survival by Targeting Mitochondria and Regulating the NF-κB Signaling Pathway. CELLS-BASEL. 2025 Jan;14(12):867 WB ;Mouse. 40558494
- **[IF=4.2]** Yang, Chengzhuo. et al. Identification and Validation of Pivotal Genes in Osteoarthritis Combined with WGCNA Analysis. JOURNAL OF INFLAMMATION RESEARCH. 2025 Jan 31:18:1459-1470. Western blot ;Rat. 39906135