bs-7069R

[Primary Antibody]

GADD45G Rabbit pAb

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 10912 SWISS: 095257

Target: GADD45G

Immunogen: KLH conjugated synthetic peptide derived from human GADD45

gamma: 101-159/159.

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: This gene is a member of a group of genes whose transcript levels

are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45G is

highly expressed in placenta.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Mouse, Rat

(predicted: Human, Rabbit, Pig, Sheep, Cow, Dog,

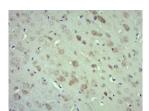
Horse)

Predicted 17 kDa

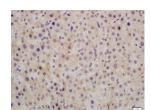
MW.:

Subcellular Cytoplasm ,Nucleus

VALIDATION IMAGES



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 (GADD45G) Polyclonal Antibody, Unconjugated (bs-7069R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffinembedded; 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-GADD45G Polyclonal Antibody, Unconjugated(bs-7069R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS –

- [IF=3.2] Zeng Li-Ping. et al. Identify GADD45G as a potential target of 4-methoxydalbergione in treatment of liver cancer: bioinformatics analysis and in vivo experiment. WORLD J SURG ONCOL. 2023 Dec;21(1):1-14 IHC; Mouse, Human. 37833694
- [IF=3.3] Tiantian Qi. et al. XLOC_015548 Mitigates Skeletal Muscle Atrophy via the Gadd45g/MEK/ERK Pathway and Redox Regulation. FRONT BIOSCI-LANDMRK. 2025 Apr;30(4):36233 WB; Mouse. 40302339
- [IF=0.72] Can, Ozge, et al. "GADD45y Methylation Is More Common In Benign Prostatic Hyperplasia Than In Prostate Cancer." Gene Therapy and Molecular Biology 16 (2014): 44-54. IHC; Human. ISBN:1529-9120