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## Egr1 Rabbit pAb

Catalog Number: bs-1076R

Target Protein: Egr1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat

Predicted MW: 60 kDa

Entrez Gene: 1958

Swiss Prot: P18146

Source: KLH conjugated synthetic peptide derived from human Egr-1: 401-500/453.

Purification: affinity purified by Protein A

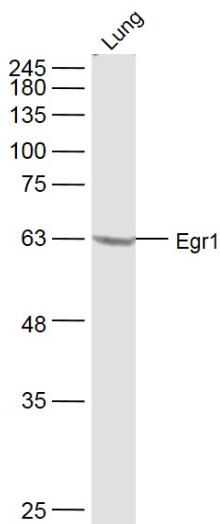
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

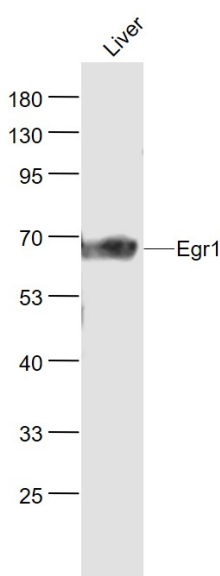
**Background:** The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by RefSeq].

### VALIDATION IMAGES

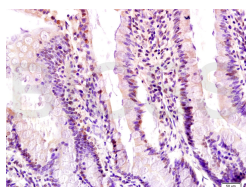
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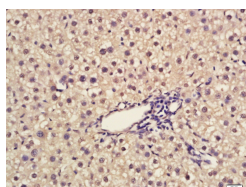
Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-Egr1 (bs-1076R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



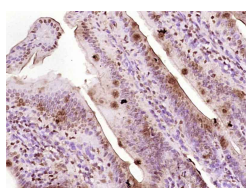
Sample: Liver (Rat) Lysate at 40 ug Primary: Anti- Egr1 (bs-1076R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



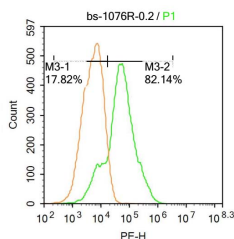
Tissue/cell: rat small intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Egr1 Polyclonal Antibody, Unconjugated(bs-1076R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); 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 (Egr1) Polyclonal Antibody, Unconjugated (bs-1076R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



U-937 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 90% ice-cold methanol for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with Egr1 Antibody(bs-1076R) at 1:500 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).

## PRODUCT SPECIFIC PUBLICATIONS

[IF=6.832] Hou, Yonghui. et al. Nonwoven-based gelatin/polycaprolactone membrane loaded with ERK inhibitor U0126 for treatment of tendon defects. Stem Cell Res Ther. 2022 Dec;13(1):1-11 IHC ; Rat . 35012661

[IF=2.8] Song Wang. et al. EGR-1 Contributes to Pulmonary Edema by Regulating the Epithelial Sodium Channel in Lipopolysaccharide-Induced Acute Lung Injury. IMMUNOL INVEST. 2023;52(7):925-939 WB ; Human . 37732637

[IF=2.209] Fan, Haobo. et al. Expression of early growth responsive gene-1 in the visual cortex of monocular form deprivation amblyopic kittens. BMC Ophthalmol. 2021 Dec;21(1):1-8 IHC ; Kittens . 34781927