



Rabbit Anti-Egr1 antibody

SL1076R

Product Name:	Egr1
Chinese Name:	早期生长应答蛋白1抗体
Alias:	Egr-1; Early growth response 1; Krox-24; Ngf1; Ngfi; NGFI-A; zif-268; Egr1; A530045N19Rik; egr; Egr-1; ETR103; Krox-1; Krox-24; Krox24; NGF1-A; NGFI-A; NGFIA; TIS8; Zenk; Zfp-6; AT 225; AT225; Early growth response protein 1; G0S 30; G0S30; KROX 24; Krox 24 protein; KROX24; TIS 8; TIS8; Transcription factor ETR 103; Transcription factor ETR103; Transcription factor Zif 268; Transcription factor Zif268; Zfp 6; ZIF268; Zinc finger protein 225; ZNF 225; ZNF225; EGR1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Egr-1:401-500/453
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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].

Function:

Transcriptional regulator. Recognizes and binds to the DNA sequence 5'-CGCCCCGC-3'(EGR-site). Activates the transcription of target genes whose products are required for mitogenesis and differentiation.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the EGR C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.

SWISS:

P18146

Gene ID:

1958

Database links:

[Entrez Gene: 1958](#)Human

[Entrez Gene: 13653](#)Mouse

[Omim: 128990](#)Human

[SwissProt: P18146](#)Human

[SwissProt: P08046](#)Mouse

[Unigene: 326035](#)Human

[Unigene: 708393](#)Human

[Unigene: 181959](#)Mouse

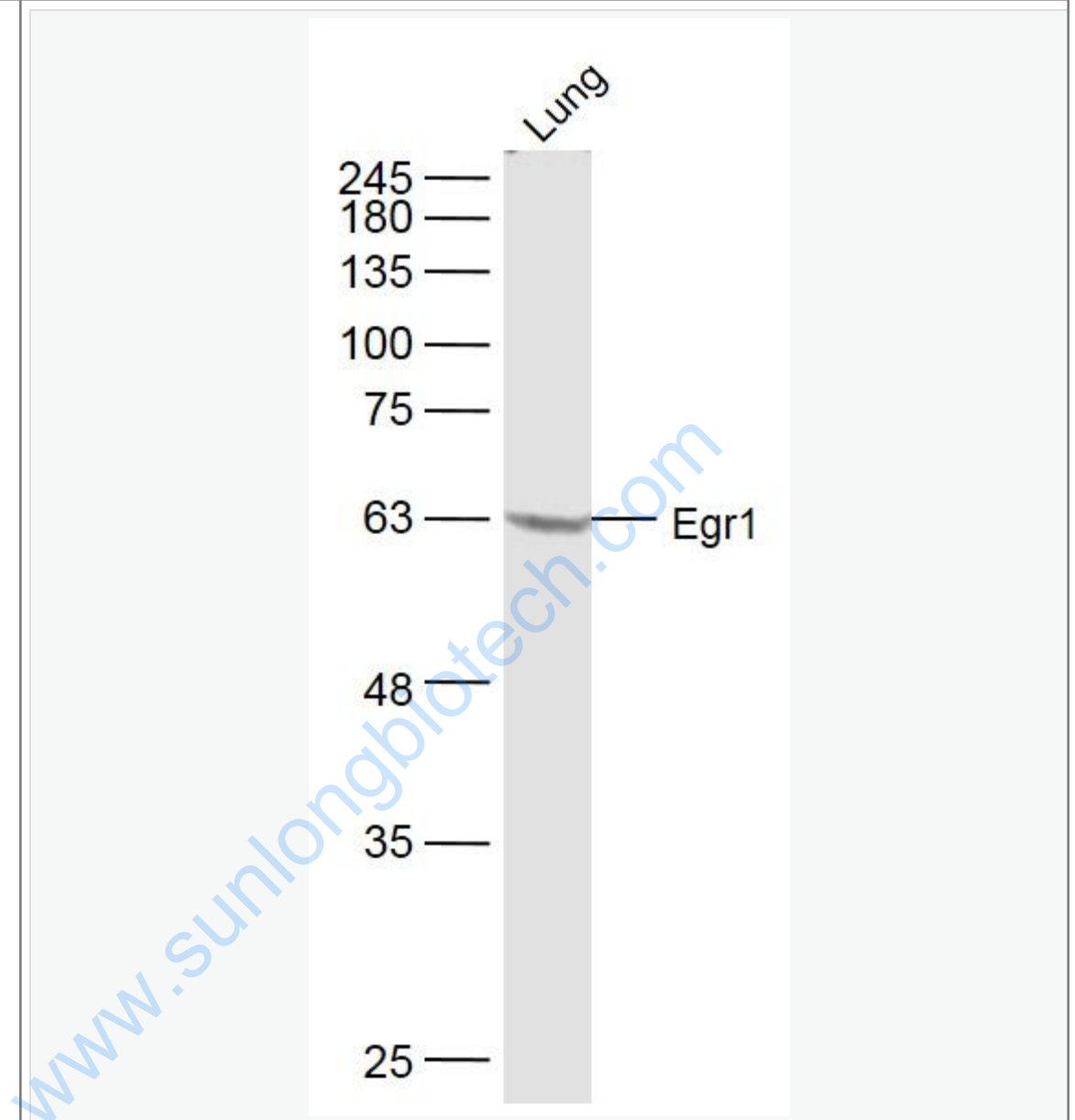
Important Note:

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

Egr-

1为即刻早期基因家族中的一个成员,是一种含3个锌指结构的转录因子。有研究表明EGR-1在细胞生长分化中发挥重要作用,如在细胞周期G1-S期的转换过程中Egr-1被诱导表达。

Picture:



Sample:

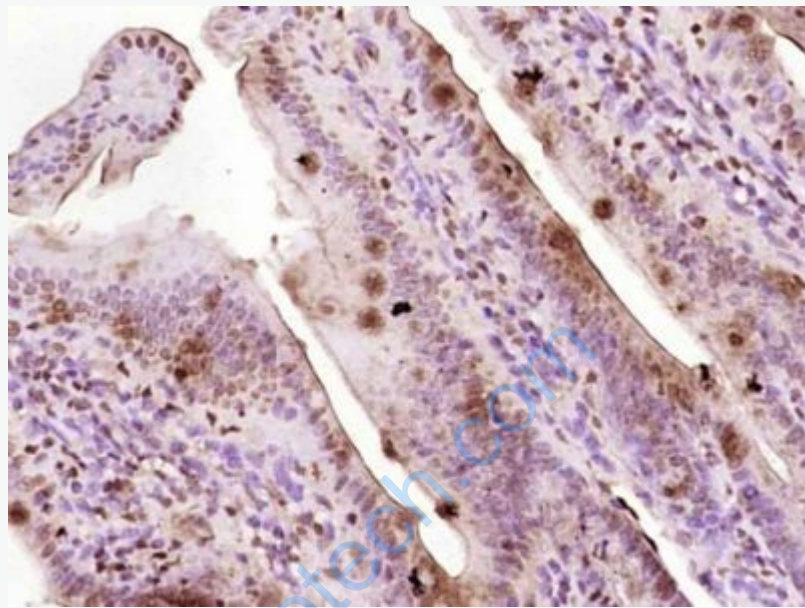
Lung (Mouse) Lysate at 40 ug

Primary: Anti-Egr1 (SL1076R) at 1/300 dilution

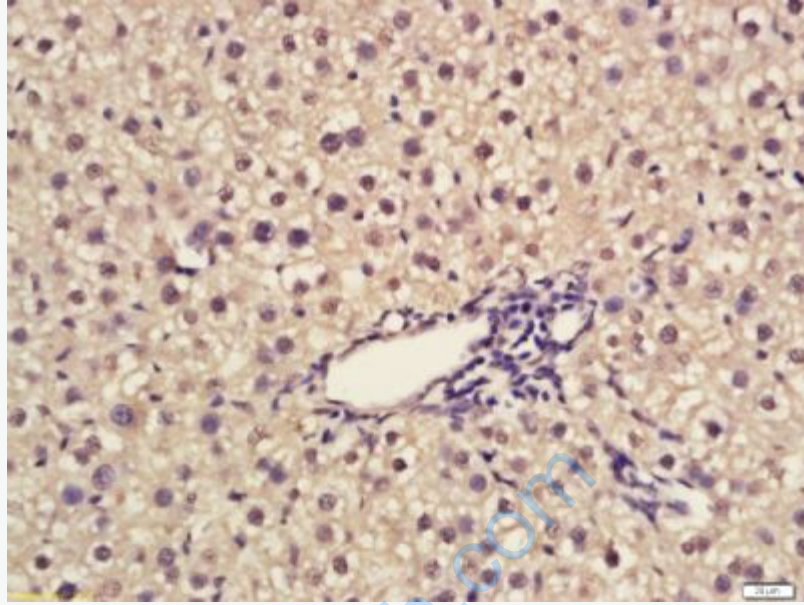
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 60 kD

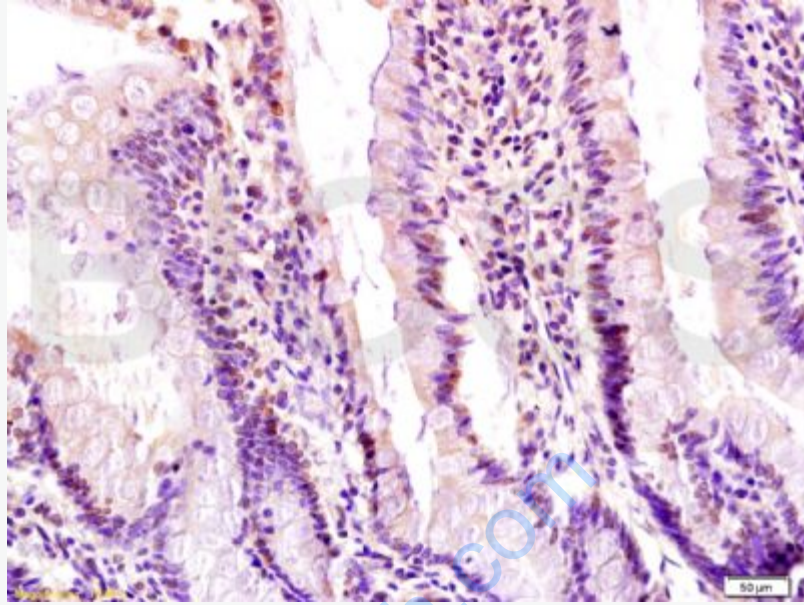
Observed band size: 60 kD



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 (SL1076R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



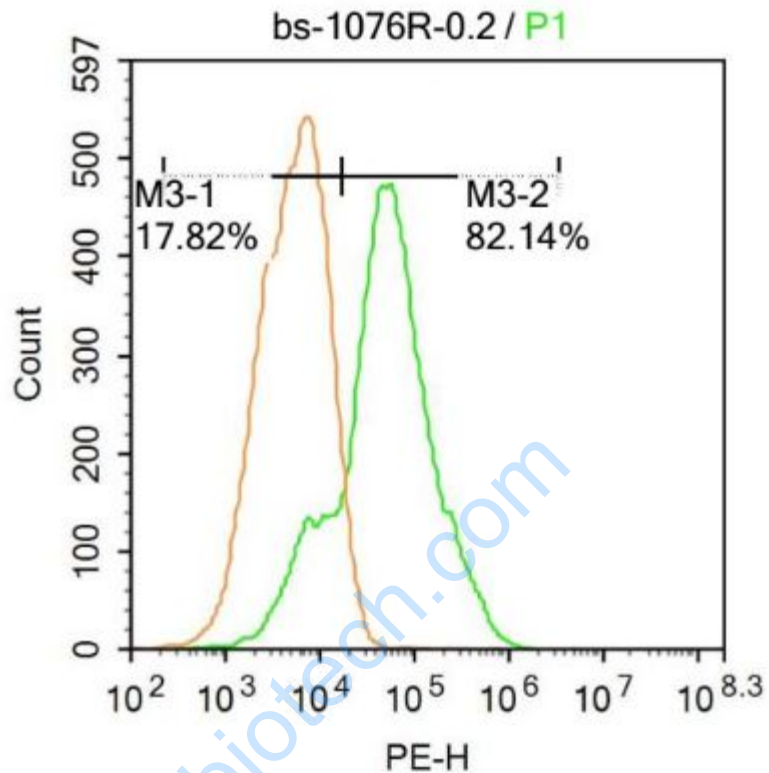
Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Egr1 Polyclonal Antibody, Unconjugated(SL1076R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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(SL1076R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) 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 (SL1076R) 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).