

Egr1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11043**Specification**

Egr1 antibody - C-terminal region - Product Information

Application	IHC, WB
Primary Accession	P08046
Other Accession	NM_007913 , NP_031939
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Sheep, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa kDa

Egr1 antibody - C-terminal region - Additional Information**Gene ID** 13653**Alias Symbol** A530045N19Rik, ETR103, Egr-1, Krox-1, Krox-24, Krox24, NGF1-A, NGFI-A, NGFIA, TIS8, Zenk, Zfp-6, Zif268, egr**Other Names**

Early growth response protein 1, EGR-1, Nerve growth factor-induced protein A, NGFI-A, Transcription factor Zif268, Zinc finger protein Krox-24, Egr1, Egr-1, Krox-24

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Egr1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Egr1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Egr1 antibody - C-terminal region - Protein Information**Name** Egr1**Synonyms** Egr-1, Krox-24 {ECO:0000303|PubMed:25110}**Function**

Transcriptional regulator (PubMed:8336701, PubMed:<a href="http://www.uniprot.org/citations/8703054"

target="_blank">8703054, PubMed:15958557). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3'(EGR-site) in the promoter region of target genes (PubMed:8703054, PubMed:15958557, PubMed:2028256, PubMed:8939742). Binds double-stranded target DNA, irrespective of the cytosine methylation status (By similarity). Regulates the transcription of numerous target genes, and thereby plays an important role in regulating the response to growth factors, DNA damage, and ischemia (PubMed:11100120, PubMed:15958557). Plays a role in the regulation of cell survival, proliferation and cell death (PubMed:15265859, PubMed:15958557). Activates expression of p53/TP53 and TGFB1, and thereby helps prevent tumor formation (PubMed:15958557). Required for normal progress through mitosis and normal proliferation of hepatocytes after partial hepatectomy (PubMed:15265859). Mediates responses to ischemia and hypoxia; regulates the expression of proteins such as IL1B and CXCL2 that are involved in inflammatory processes and development of tissue damage after ischemia (PubMed:11100120). Regulates biosynthesis of luteinizing hormone (LHB) in the pituitary (PubMed:8703054). Regulates the amplitude of the expression rhythms of clock genes: BMAL1, PER2 and NR1D1 in the liver via the activation of PER1 (clock repressor) transcription (PubMed:26471974). Regulates the rhythmic expression of core-clock gene BMAL1 in the suprachiasmatic nucleus (SCN) (PubMed:29138967).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:P18146}

Tissue Location

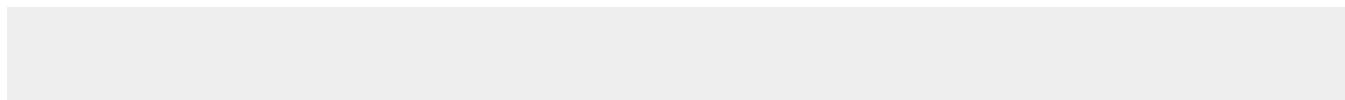
Detected in lung vasculature and in mononuclear phagocytes (PubMed:11100120). Detected in liver (at protein level) (PubMed:15265859). Expressed in the liver in a circadian manner (PubMed:26471974).

Egr1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Egr1 antibody - C-terminal region - Images



EGR1



Black: EGR1

See IHC 1 Data and Customer Feedback for more Information

Sample Type : Frog brain

Primary Antibody Dilution : 1:500

Secondary Antibody : Biotinylated goat anti-rabbit Secondary Antibody Dilution : 1:200

Color/Signal Descriptions : Black: EGR1

Gene Name : Egr1 a Submitted by : Eva Fischer, Colorado State University

EGR1



Black: EGR1

See IHC 2 Data and Customer Feedback for more Information

Sample Type : Frog brain

Primary Antibody Dilution : 1:500

Secondary Antibody : Biotinylated goat anti-rabbit Secondary Antibody Dilution : 1:200

Color/Signal Descriptions : Black: EGR1

Gene Name : Egr1 a Submitted by : Eva Fischer, Colorado State University

90 kDa
65 kDa
40 kDa
31 kDa
22 kDa



WB Suggested Anti-Egr1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Mouse Heart