

EGR1 Rabbit mAb
Catalog # AP78703**Specification**

EGR1 Rabbit mAb - Product Information

Application	WB
Primary Accession	P18146
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57507

EGR1 Rabbit mAb - Additional Information**Gene ID** 1958**Other Names**

EGR1

Dilution

WB~~1/500-1/1000

Format

Liquid

EGR1 Rabbit mAb - Protein Information**Name** EGR1**Synonyms** KROX24, ZNF225 {ECO:0000303|PubMed:21103}**Function**

Transcriptional regulator (PubMed: 20121949). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3'(EGR-site) in the promoter region of target genes (By similarity). Binds double-stranded target DNA, irrespective of the cytosine methylation status (PubMed: 25258363, PubMed: 25999311). Regulates the transcription of numerous target genes, and thereby plays an important role in regulating the response to growth factors, DNA damage, and ischemia. Plays a role in the regulation of cell survival, proliferation and cell death. Activates expression of p53/TP53 and TGFB1, and thereby helps prevent tumor formation. Required for normal progress through mitosis and normal proliferation of hepatocytes after partial hepatectomy. 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. Regulates biosynthesis of luteinizing hormone (LHB) in the pituitary (By similarity). 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. Regulates the rhythmic expression of core-clock gene BMAL1 in the

suprachiasmatic nucleus (SCN) (By similarity).

Cellular Location

Nucleus. Cytoplasm

Tissue Location

Detected in neutrophils (at protein level).

EGR1 Rabbit mAb - 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 Rabbit mAb - Images

