

**Goat Anti-EGR4 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1357a****Specification**

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**Goat Anti-EGR4 Antibody - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB   |
| Primary Accession | <a href="#">Q05215</a>                           |
| Other Accession   | <a href="#">NP_001956</a> , <a href="#">1961</a> |
| Reactivity        | Human  |
| Host              | Goat   |
| Clonality         | Polyclonal                                       |
| Concentration     | 100ug/200ul                                      |
| Isotype           | IgG  |
| Calculated MW     | 61623  |

**Goat Anti-EGR4 Antibody - Additional Information****Gene ID** 1961**Other Names**

Early growth response protein 4, EGR-4, AT133, EGR4

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-EGR4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-EGR4 Antibody - Protein Information****Name** EGR4**Function**

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

**Cellular Location**

Nucleus.

## Goat Anti-EGR4 Antibody - 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](#)

## Goat Anti-EGR4 Antibody - Images



AF1357a (0.3 µg/ml) staining of Human Brain (Hippocampus) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-EGR4 Antibody - References

No association between EGR gene family polymorphisms and schizophrenia in the Chinese population. Liu BC, et al. Prog Neuropsychopharmacol Biol Psychiatry, 2010 Apr 16. PMID 20144677.

EGR4 is a master gene responsible for fertility in cryptorchidism. Hadziselimovic F, et al. Sex Dev, 2009. PMID 19828938.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.

Early growth response proteins (EGR) and nuclear factors of activated T cells (NFAT) form heterodimers and regulate proinflammatory cytokine gene expression. Decker EL, et al. Nucleic Acids Res, 2003 Feb 1. PMID 12560487.