



# Egr-1 Monoclonal Antibody

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-00966                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | EGR1                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                   | Purified recombinant fragment of human Egr-1 (aa282-433) expressed in E. Coli.                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>                 | Egr-1 Monoclonal Antibody detects endogenous levels of Egr-1 protein.                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>                 | Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>                      | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>                | Affinity purification                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>                    | AT225;early growth response 1;Early growth response protein 1;EGR 1;EGR-1; EGR1;KROX24;ZNF225;Nerve growth factor-induced protein A;NGFI-A; Transcription factor ETR103;Transcription factor Zif268;Zinc finger protein 225; Zinc finger protein Krox-24                                                                                                              |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 78kD                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | Nucleus . Cytoplasm .                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          | Detected in neutrophils (at protein level).                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>                    | function:Transcriptional regulator. Recognizes and binds to the DNA sequence 5'-CGCCCCCGC-3'(EGR-site). Activates the transcription of target genes whose products are required for mitogenesis and differentiation.,induction:By growth factors.,similarity:Belongs to the EGR C2H2-type zinc-finger protein family., similarity:Contains 3 C2H2-type zinc fingers., |
| <b>Background</b>                  | 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, Dec 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

