

## **Egr-1 Monoclonal Antibody**

Catalog No: YM0212

Reactivity: Human

**Applications:** WB;ELISA

Target: Egr-1

**Fields:** >>Apelin signaling pathway;>>GnRH signaling pathway;>>Parathyroid hormone

synthesis, secretion and action;>>AGE-RAGE signaling pathway in diabetic complications;>>Prion disease;>>Human T-cell leukemia virus 1 infection

Gene Name: EGR1

**Protein Name:** Early growth response protein 1

P18146

P08046

Human Gene Id: 1958

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

**Immunogen:** Purified recombinant fragment of human Egr-1 (aa282-433) expressed in E.

Coli.

**Specificity:** Egr-1 Monoclonal Antibody detects endogenous levels of Egr-1 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source:** Monoclonal, Mouse

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

**Purification:** Affinity purification

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 78kD

**Cell Pathway:** Prion diseases;

**P References :** 1. J Mol Biol. 2009 Nov 20;394(1):29-45.

2. Clin Chim Acta. 2010 Jan;411(1-2):67-71.

3. Gene. 2010 Jan 15;450(1-2):121-7.

**Background:** 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 differentitation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by

RefSeq, Dec 2014],

**Function:** 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.,induction:By growth

factors., similarity: Belongs to the EGR C2H2-type zinc-finger protein

family., similarity: Contains 3 C2H2-type zinc fingers.,

Subcellular

**Location:** 

Nucleus . Cytoplasm .

**Expression :** Detected in neutrophils (at protein level).

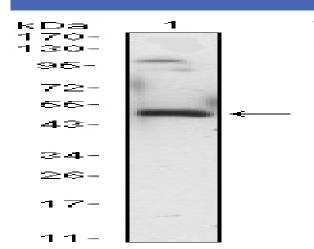
**Sort**: 5452

No4:

Host: Mouse

Modifications: Unmodified

## **Products Images**



Western Blot analysis using Egr-1 Monoclonal Antibody against EGR1-hlgGFc transfected HEK293 (1)cell lysate.