

## Egr-1 Monoclonal Antibody

<b>Catalog No :</b>	YM0212
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Egr-1
<b>Fields :</b>	>>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
<b>Gene Name :</b>	EGR1
<b>Protein Name :</b>	Early growth response protein 1
<b>Human Gene Id :</b>	1958
<b>Human Swiss Prot No :</b>	P18146
<b>Mouse Swiss Prot No :</b>	P08046
<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>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	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.

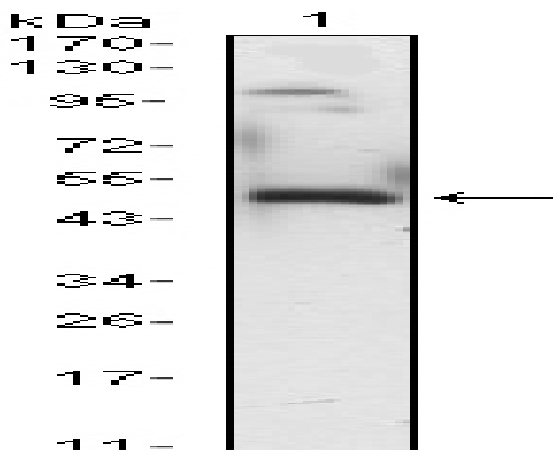
**Background :** The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by RefSeq, Dec 2014],

**Function :** function:Transcriptional regulator. Recognizes and binds to the DNA sequence 5'-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.,

**Subcellular Location :** Nucleus . Cytoplasm .

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

## Products Images



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