

**EGR1 Antibody (monoclonal) (M03)**

Mouse monoclonal antibody raised against a partial recombinant EGR1.

Catalog # AT1864a

**Specification**

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**EGR1 Antibody (monoclonal) (M03) - Product Information**

Application	IF, WB, IHC, E
Primary Accession	<a href="#">P18146</a>
Other Accession	<a href="#">NM_001964</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	57507

**EGR1 Antibody (monoclonal) (M03) - Additional Information****Gene ID** 1958**Other Names**

Early growth response protein 1, EGR-1, AT225, Nerve growth factor-induced protein A, NGFI-A, Transcription factor ETR103, Transcription factor Zif268, Zinc finger protein 225, Zinc finger protein Krox-24, EGR1, KROX24, ZNF225

**Target/Specificity**

EGR1 (NP\_001955, 444 a.a. ~ 543 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

EGR1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

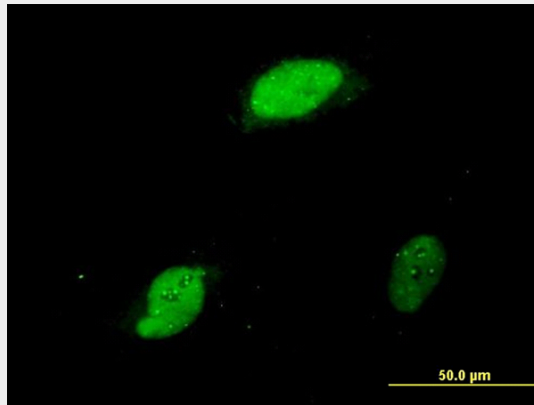
**EGR1 Antibody (monoclonal) (M03) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

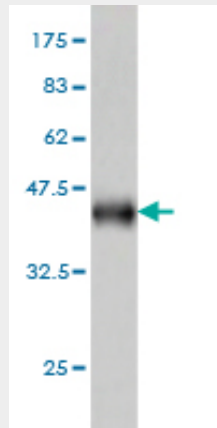
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

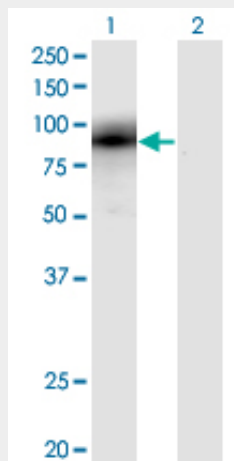
### EGR1 Antibody (monoclonal) (M03) - Images



Immunofluorescence of monoclonal antibody to EGR1 on HeLa cell. [antibody concentration 10 ug/ml]

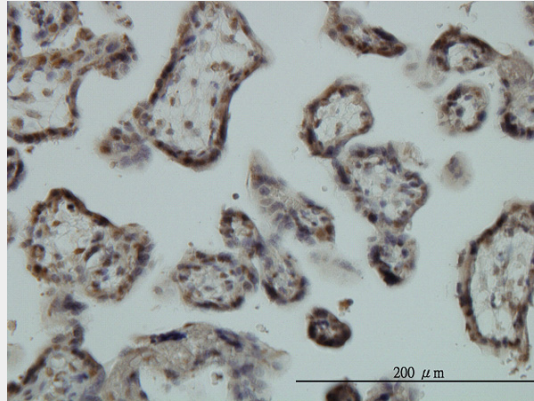


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

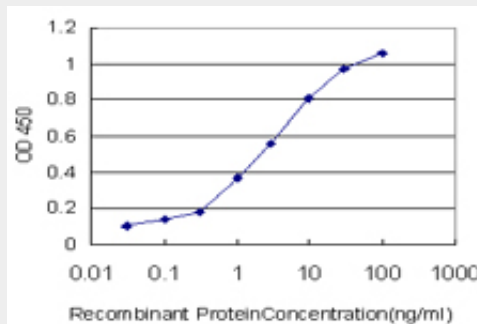


Western Blot analysis of EGR1 expression in transfected 293T cell line by EGR1 monoclonal antibody (M03), clone 6E8.

Lane 1: EGR1 transfected lysate(59.73 KDa).  
 Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to EGR1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged EGR1 is approximately 0.1ng/ml as a capture antibody.

### **EGR1 Antibody (monoclonal) (M03) - 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.

### **EGR1 Antibody (monoclonal) (M03) - References**

1. Induction of hypertrophy in vitro by mechanical loading in adult rabbit myocardium. Bupha-Intr T, Holmes JW, Janssen PM. Am J Physiol Heart Circ Physiol. 2007 Dec;293(6):H3759-67. Epub 2007 Oct 12.