

EGR1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant EGR1.

Catalog # AT1864a

Specification

EGR1 Antibody (monoclonal) (M03) - Product Information

Application	IF, WB, IHC, E
Primary Accession	P18146
Other Accession	NM_001964
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

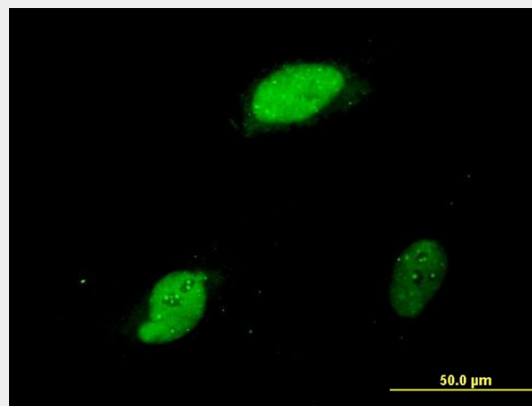
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

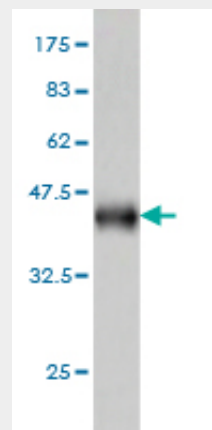
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

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



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

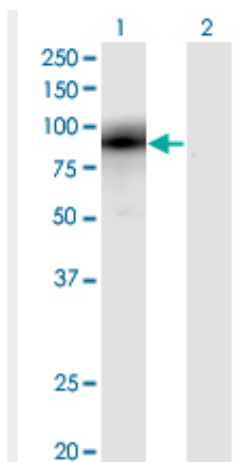


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

EGR1 Antibody (monoclonal) (M03) - Protocols

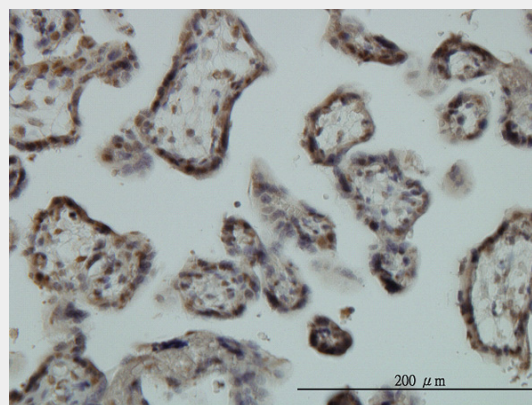
Provided below are standard protocols that you may find useful for product applications.

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

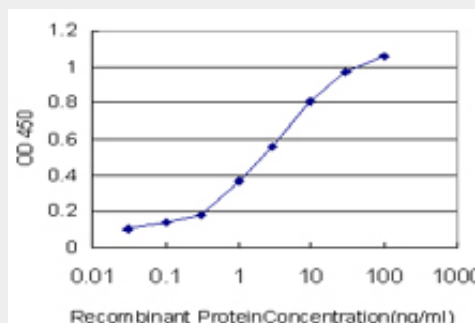


Western Blot analysis of EGR1 expression in transfected 293T cell line by EGR1 monoclonal antibody (M03), clone 6E8.

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.