

EGR1 Antibody (monoclonal) (M06)
Mouse monoclonal antibody raised against a partial recombinant EGR1.
Catalog # AT1865a

Specification

EGR1 Antibody (monoclonal) (M06) - Product Information

Application	WB, E
Primary Accession	P18146
Other Accession	NM_001964
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	57507

EGR1 Antibody (monoclonal) (M06) - 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

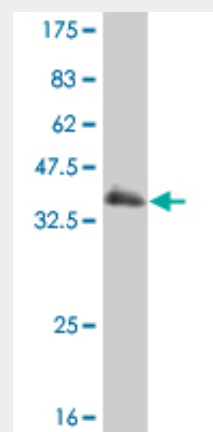
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

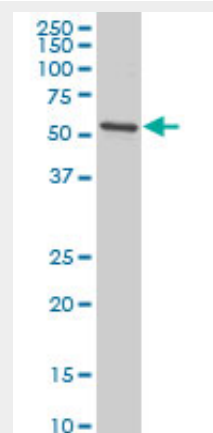
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

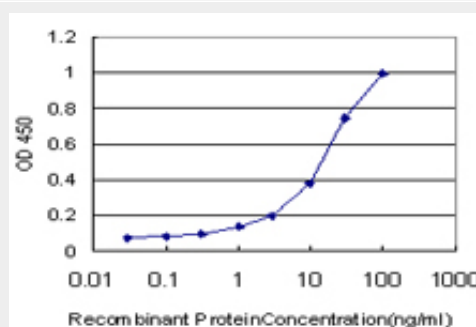
EGR1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.



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



EGR1 monoclonal antibody (M06), clone 3C7 Western Blot analysis of EGR1 expression in HeLa S3 NE ((Cat # AT1865a)



Detection limit for recombinant GST tagged

**EGR1 Antibody (monoclonal) (M06) -
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 is approximately 0.3ng/ml as a capture antibody.

**EGR1 Antibody (monoclonal) (M06) -
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) (M06) -
References**

Cigarette smoke-induced Egr-1 represses T beta R-II expression in human skin dermal fibroblasts. Kim JN, et al. Toxicology, 2010 Sep 10. PMID 20621662. Advanced glycation end product (AGE)-receptor for AGE (RAGE) signaling and up-regulation of Egr-1 in hypoxic macrophages. Xu Y, et al. J Biol Chem, 2010 Jul 23. PMID 20507991. Placenta growth factor-induced early growth response 1 (Egr-1) regulates hypoxia-inducible factor-1alpha (HIF-1alpha) in endothelial cells. Patel N, et al. J Biol Chem, 2010 Jul 2. PMID 20448047. Mature human neutrophils constitutively express the transcription factor EGR-1. Cullen EM, et al. Mol Immunol, 2010 May. PMID 20363028. The effect of siRNA-Egr-1 and camptothecin on growth and chemosensitivity of breast cancer cell lines. Parra E, et al. Oncol Rep, 2010 Apr. PMID 20204305.