

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.

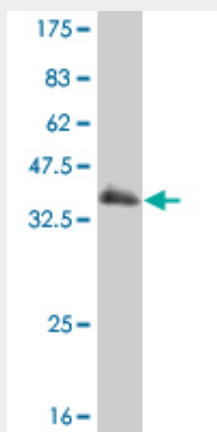
EGR1 Antibody (monoclonal) (M06) - Protocols

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

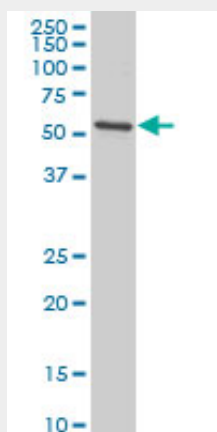
- [Western Blot](#)
- [Blocking Peptides](#)

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

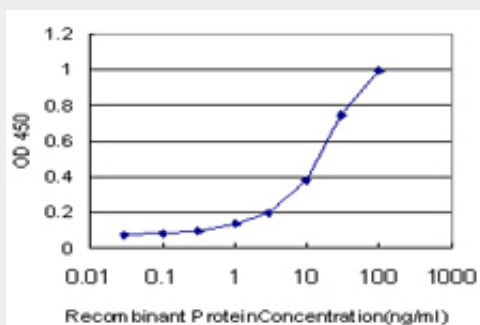
EGR1 Antibody (monoclonal) (M06) - Images



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 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.