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ERF Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ERF.
Catalog # AT1940a

Product Information

Application	WB, IF
Primary Accession	P50548
Other Accession	BC022231
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3F11
Calculated MW	58703

Additional Information

Gene ID	2077
Other Names	ETS domain-containing transcription factor ERF, Ets2 repressor factor, PE-2, ERF
Target/Specificity	ERF (AAH22231, 181 a.a. ~ 290 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
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	ERF Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

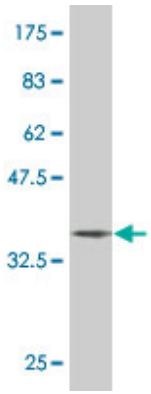
Members of the ETS family of transcription factors, such as ERF, regulate cell proliferation and differentiation. They share a highly conserved DNA-binding domain, the ETS domain, that recognizes the sequence GGAA/T (de Castro et al., 1997 [PubMed 9192842]). For further information on ETS transcription factors, see ETS1 (MIM 164720).

References

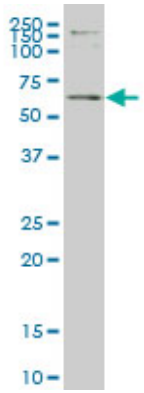
The RAS-dependent ERF control of cell proliferation and differentiation is mediated by c-Myc repression. Verykokakis M, et al. J Biol Chem, 2007 Oct 12. PMID 17699159.Differential repression of c-myc and cdc2

gene expression by ERF and PE-1/METS. Hester KD, et al. Cell Cycle, 2007 Jul 1. PMID 17525531.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

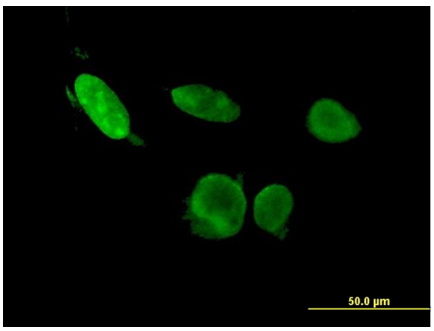
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



ERF monoclonal antibody (M02), clone 3F11. Western Blot analysis of ERF expression in Raw 264.7.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.