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# SRF Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant SRF.
Catalog # AT4038a

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | P11831 |
| **Other Accession** | BC048211 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 10 |
| **Calculated MW** | 51593 |

## Additional Information

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|---|---|
| **Gene ID** | 6722 |
| **Other Names** | Serum response factor, SRF, SRF |
| **Target/Specificity** | SRF (AAH48211, 406 a.a. ~ 508 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 E~~N/A |
| **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** | SRF Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures. |

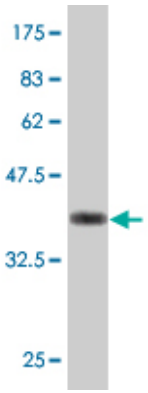
## Background

This gene encodes a ubiquitous nuclear protein that stimulates both cell proliferation and differentiation. It is a member of the MADS (MCM1, Agamous, Deficiens, and SRF) box superfamily of transcription factors. This protein binds to the serum response element (SRE) in the promoter region of target genes. This protein regulates the activity of many immediate-early genes, for example c-fos, and thereby participates in cell cycle regulation, apoptosis, cell growth, and cell differentiation. This gene is the downstream target of many pathways; for example, the mitogen-activated protein kinase pathway (MAPK) that acts through the ternary complex factors (TCFs).

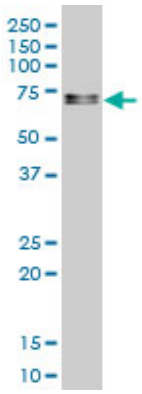
## References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.The Elk-1 and serum response factor binding sites in the major immediate-early promoter of human cytomegalovirus are required for efficient viral replication in quiescent cells and compensate for inactivation of the NF-kappaB sites in proliferating cells. Caposio P, et al. J Virol, 2010 May. PMID 20147408.Serum response factor depletion affects the proliferation of the hepatocellular carcinoma cells HepG2 and JHH6. Farra R, et al. Biochimie, 2010 May. PMID 20144681.Proliferation of human primary vascular smooth muscle cells depends on serum response factor. Werth D, et al. Eur J Cell Biol, 2010 Feb-Mar. PMID 20096952.

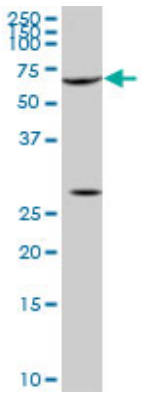
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.07 KDa) .

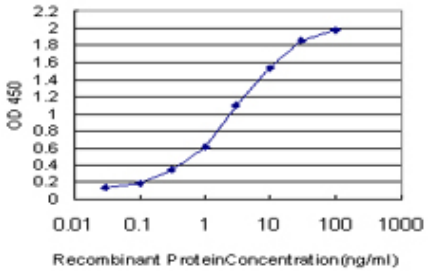



SRF monoclonal antibody (M03), clone 1E1 Western Blot analysis of SRF expression in Hela S3 NE ( (Cat # AT4038a )




SRF monoclonal antibody (M03), clone 1E1. Western Blot analysis of SRF expression in A-431 ( (Cat # AT4038a )

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




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