



## Rabbit Anti-Phospho-SRF (Ser77) antibody

SL9602R

<b>Product Name:</b>	Phospho-SRF (Ser77)
<b>Chinese Name:</b>	磷酸化血清应答因子抗体
<b>Alias:</b>	Serum Response Factor SRF (phospho S77); SRF (phospho Ser77); P-SRF (Ser77); c fos serum response element binding factor; Serum Response Factor SRF; c fos serum response element binding transcription factor; ELK3; ERP; MCM 1; MCM-1; MCM1; OTTHUMP00000039820; SAP2; Serum response factor; SRF; SRF serum response factor c fos serum response element binding transcription factor; SRF HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human SRF around the phosphorylation site of Ser77 :LY(p-S)GS
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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). [provided by RefSeq, Jul 2008].

**Function:**

SRF is a transcription factor that binds to the serum response element (SRE), a short sequence of dyad symmetry located 300 bp to the 5' of the site of transcription initiation of some genes (such as FOS). Required for cardiac differentiation and maturation.

**Subunit:**

Binds DNA as a multimer, probably a dimer. Interacts with MLLT7/FOXO4, NKX3A and SSRP1. Interacts with ARID2 and SRFBP1. Forms complexes with ARID2, MYOCD, NKX2-5 and SRFBP1. Forms a nuclear ternary complex with MKL1 and SCAI.

**Subcellular Location:**

Nucleus.

**Post-translational modifications:**

Phosphorylated by PRKDC.

**Similarity:**

Contains 1 MADS-box domain.

**SWISS:**

P31948

**Gene ID:**

6722

**Database links:**

[Entrez Gene: 6722](#)Human

[Entrez Gene: 20807](#)Mouse

[Entrez Gene: 501099](#)Rat

[Omim: 600589](#)Human

[SwissProt: P11831](#)Human

[SwissProt: Q9JM73](#)Mouse

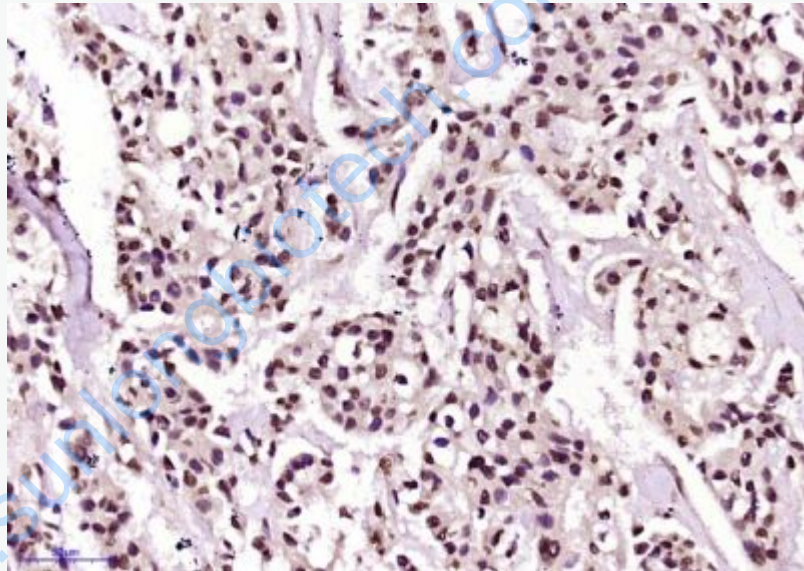
[Unigene: 520140](#)Human

[Unigene: 45044](#)Mouse

**Important Note:**

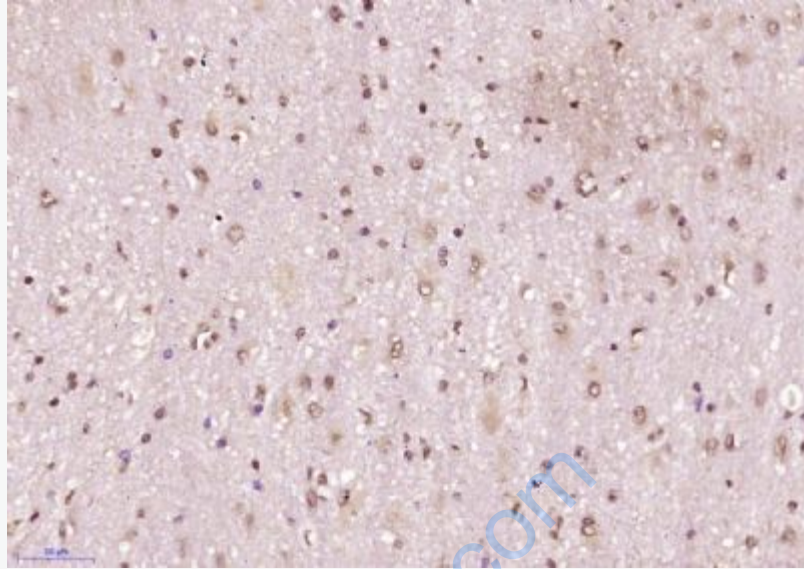
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

血清应答因子(SRF)是一种转录因子蛋白, 可以结合启动子DNA序列中的血清应答元件(SRE), 调节一系列基因的表达, 包括即刻早期基因的表达, 如c-fos、fosB、junB、egr-1、egr-2, 以及神经元基因nurr1、肌肉基因如肌动蛋白、肌球蛋白基因等.

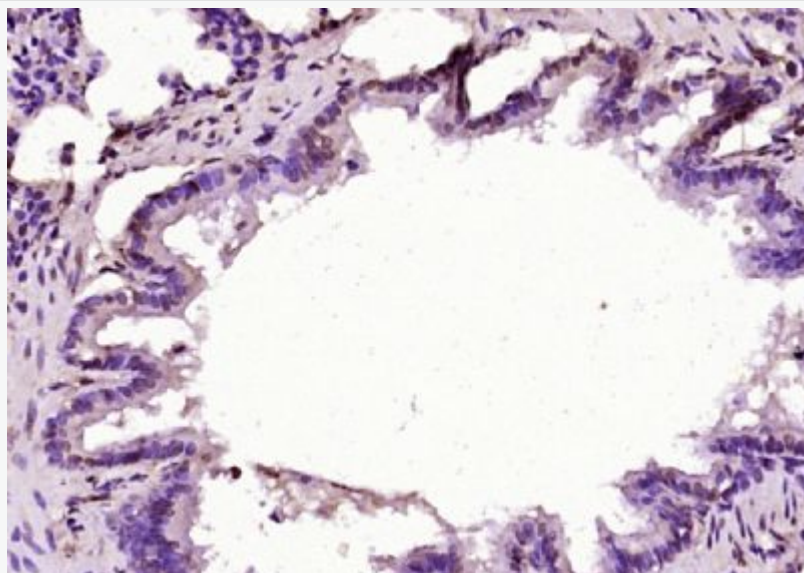


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SRF (Ser77)) Polyclonal Antibody, Unconjugated (SL9602R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SRF (Ser77)) Polyclonal Antibody, Unconjugated (SL9602R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SRF (Ser77)) Polyclonal Antibody, Unconjugated (SL9602R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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