

For Research Use Only

# SRF Polyclonal antibody

Catalog Number: 16821-1-AP

Featured Product

24 Publications



## Basic Information

### Catalog Number:

16821-1-AP

### Concentration:

600 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10386

### GenBank Accession Number:

BC048211

### GeneID (NCBI):

6722

### UNIPROT ID:

P11831

### Full Name:

serum response factor (c-fos serum response element-binding transcription factor)

### Calculated MW:

508 aa, 52 kDa

### Observed MW:

65-70 kDa, 40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:2000-1:8000

IF/ICC 1:300-1:1200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : A431 cells, MCF-7 cells, K-562 cells, HEK-293 cells, HeLa cells, NIH/3T3 cells

IP : HeLa cells,

IHC : mouse heart tissue,

IF/ICC : A431 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Serum response factor (SRF) is a transcription factor that binds the serum response element (SRE), a sequence that mediates the transient response of many cellular genes to growth stimulation. SRF is required for cardiac differentiation and maturation due to the role in cardiac cell growth and muscle gene regulation. The full-length SRF protein is 67 kDa and molecular weight of cleaved fragment is 50 kDa and 20 kDa (PMID: 21769134).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chen-Qian Zhao	36260290	Inhal Toxicol	IF
Li Zhang	30463073	Cell Physiol Biochem	WB
Xiaogao Wang	34093747	Exp Ther Med	WB,IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

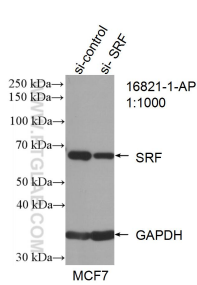
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

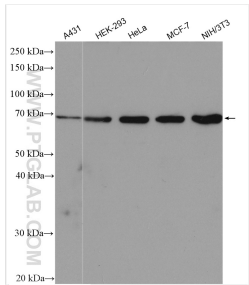
W: [ptgcn.com](http://ptgcn.com)

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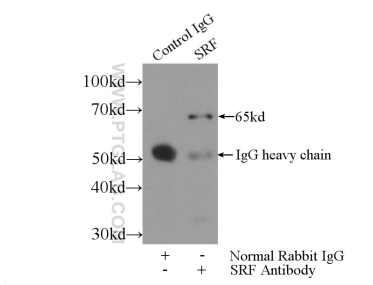
Selected Validation Data



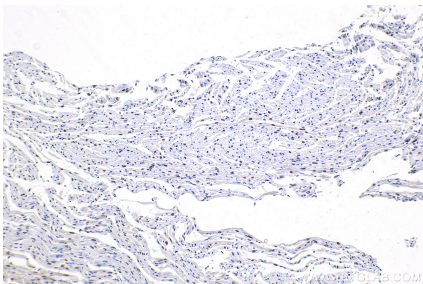
WB result of SRF antibody (16821-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SRF transfected MCF-7 cells.



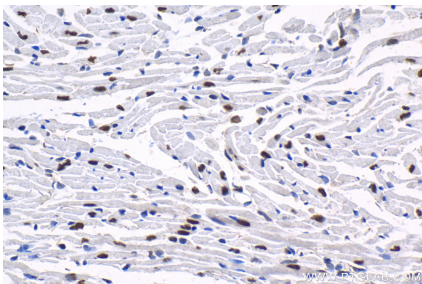
Various lysates were subjected to SDS PAGE followed by western blot with 16821-1-AP (SRF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



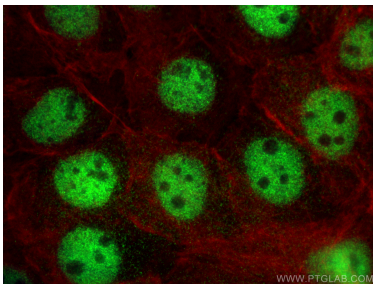
IP result of anti-SRF (IP:16821-1-AP, 3ug; Detection:16821-1-AP 1:1000) with HeLa cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16821-1-AP (SRF antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16821-1-AP (SRF antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SRF antibody (16821-1-AP) at dilution of 1:600 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).