

Rabbit Serum Response Factor/SRF Polyclonal Antibody | anti-SRF antibody

Anti-Serum Response Factor/SRF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19221	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Serum Response Factor/SRF; Polyclonal Antibody; Anti-Serum Response Factor/SRF Antibody; Serum response factor; SRF; serum response factor; anti-SRF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Serum Response Factor/SRF detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ .
Applicable Applications for anti-SRF antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.1-0.25ug/ml Human, Mouse, Rat IHC-P: 2-5ug/ml Human, Mouse, Rat ICC/IF: 5ug/ml Human FC/FACS/FCM: 1-3ug/1x10 ⁶ cells Human Direct ELISA: 0.1-0.5ug/ml Human
Immunogen	E Coli-derived human Serum Response Factor/SRF recombinant protein (Position: K154-E508).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of U251 cells using anti-Serum Response Factor/SRF antibody (AAA19221).Overlay histogram showing U251 cells stained with AAA19221 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Serum Response Factor/SRF Antibody (AAA19221, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of A431 cells using anti-Serum Response Factor/SRF antibody (AAA19221).Overlay histogram showing A431 cells stained with AAA19221 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Serum Response Factor/SRF Antibody (AAA19221, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 5. IF analysis of Serum Response Factor/SRF using anti- Serum Response Factor/SRF antibody (AAA19221).Serum Response Factor/SRF was detected in immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5μg/mL rabbit anti- Serum Response Factor/SRF Antibody (AAA19221) overnight at 4 degree C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Serum Response Factor/SRF using anti-Serum Response Factor/SRF antibody (AAA19221).Serum Response Factor/SRF was detected in paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Serum Response Factor/SRF Antibody (AAA19221) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Serum Response Factor/SRF using anti-Serum Response Factor/SRF antibody (AAA19221).Serum Response Factor/SRF was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Serum Response Factor/SRF Antibody (AAA19221) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Serum Response Factor/SRF using anti-Serum Response Factor/SRF antibody (AAA19221).Serum Response Factor/SRF was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Serum Response Factor/SRF Antibody (AAA19221) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SRF antibody

Serum response factor, also known as SRF, is a transcription factor protein. 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). Two transcript variants encoding different isoforms have been found for this gene.

References	1. Barron, M. R., Belaguli, N. S., Zhang, S. X., Trinh, M., Iyer, D., Merlo, X., Lough, J. W., Parmacek, M. S., Bruneau, B. G., Schwartz, R. J. Serum response factor, an enriched cardiac mesoderm obligatory factor, is a downstream gene target for Tbx genes. J. Biol. Chem. 280: 11816-11828, 2005. 2. Bell, R. D., Deane, R., Chow, N., Long, X., Sagare, A., Singh, I., Streb, J. W., Guo, H., Rubio, A., Van Nostrand, W., Miano, J. M., Zlokovic, B. V. SRF and myocardin regulate LRP-mediated amyloid-beta clearance in brain vascular cells. Nature Cell Biol. 11: 143-153, 2009. 3. Chang, J., Wei, L., Otani, T., Youker, K. A., Entman, M. L., Schwartz, R. J. Inhibitory cardiac transcription factor, SRF-N, is generated by caspase 3 cleavage in human heart failure and attenuated by ventricular unloading. Circulation 108: 407-413, 2003.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507205
NCBI GeneID	6722
NCBI Accession #	NP_003122.1
NCBI GenBank Nucleotide #	NM_003131.2
UniProt Accession #	P11831; Q5T648
Molecular Weight	51,593 Da
NCBI Official Full Name	serum response factor
NCBI Official Synonym Full Names	serum response factor (c-fos serum response element-binding transcription factor)
NCBI Official Symbol	SRF
NCBI Official Synonym Symbols	MCM1
NCBI Protein Information	serum response factor
UniProt Protein Name	Serum response factor
UniProt Gene Name	SRF
UniProt Synonym Gene Names	SRF
UniProt Entry Name	SRF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serum-response-factor-srf-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-direct-elisa-elisa/19221>