

Rabbit SRF Polyclonal Antibody | anti-SRF antibody

Phospho-SRF (Ser99) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321517	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SRF; Polyclonal Antibody; Phospho-SRF (Ser99) Antibody; c fos serum response element binding factor; c fos serum response element binding transcription factor; ELK3; ERP; MCM 1; MCM1; OTTHUMP00000039820; SAP2; Serum response factor; SRF serum response factor c fos serum response element binding transcription factor; SRF_HUMAN; anti-SRF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-SRF (Ser99) ab detects endogenous levels of SRF only when phosphorylated at Ser103, which site historically referenced as Ser99.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	304
Applicable Applications for anti-SRF antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SRF around the phosphorylation site of Serine 99.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321517 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA321517 at 1/200 staining human testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

**WB (Western Blot)**

Western blot analysis of extracts from mouse brain/rat kidney, using Phospho-SRF (Ser99) Antibody. -/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide)

**WB (Western Blot)**

Western blot analysis of SRF phosphorylation expression in Serum treated LOVO whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION**Related Product Information for anti-SRF antibody**

Description: 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.

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 Structure: Binds DNA as a multimer, probably a dimer. Interacts with MLLT7/FOXO4, NKX3A and SSRP1. Interacts with ARID2 and SRFBP1 (By similarity). Forms complexes with ARID2, MYOCD, NKX2-5 and SRFBP1 (By similarity). Forms a nuclear ternary complex with MKL1 and SCAI (PubMed:19350017). Interacts with LPXN (PubMed:18497331). Interacts with OLFM2; the interaction promotes dissociation of SRF from the transcriptional repressor HEY2, facilitates binding of SRF to target genes and promotes smooth muscle differentiation (PubMed:25298399).

Post-translational Modifications: Phosphorylated by PRKDC.

NCBI AND UNIPROT INFORMATION

NCBI GI #	635172882
NCBI GeneID	6722
NCBI Accession #	NP_001278930.1
NCBI GenBank Nucleotide #	NM_001292001.1
UniProt Accession #	P11831; Q5T648
Molecular Weight	51 kDa
NCBI Official Full Name	serum response factor isoform 2
NCBI Official Synonym Full Names	serum response 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

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/srf-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321517>