



SRF (phospho Ser103) Polyclonal Antibody

Catalog No	YP-Ab-01344
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	SRF
Immunogen	The antiserum was produced against synthesized peptide derived from human SRF around the phosphorylation site of Ser99. AA range:71-120
Specificity	Phospho-SRF (S103) Polyclonal Antibody detects endogenous levels of SRF protein only when phosphorylated at S103.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SRF;Serum response factor
Observed Band	51kD
Calculated Molecular Weight	51kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Epithelium,Lung,Lymph,
Function	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.,PTM:Phosphorylated by PRKDC., similarity:Contains 1 MADS-box domain.,subunit: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.,

**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). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014],

matters needing attention

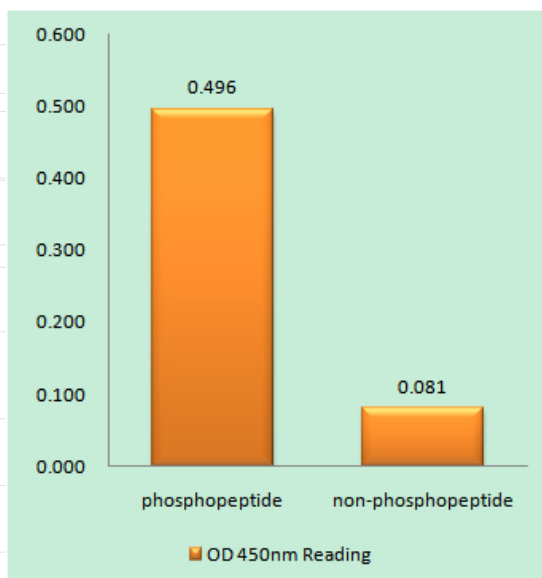
Avoid repeated freezing and thawing!

Usage suggestions

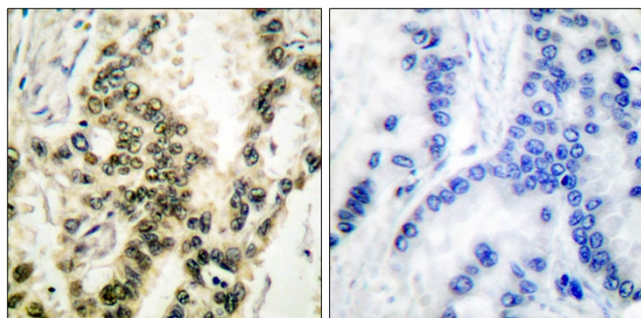
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



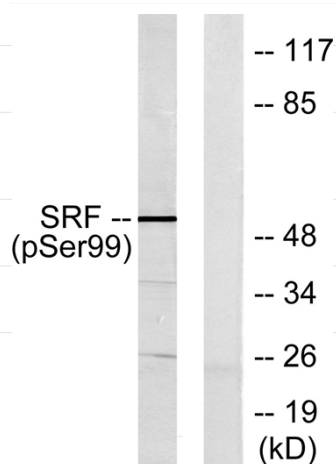
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using SRF (Phospho-Ser99) Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using SRF (Phospho-Ser99) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from LOVO cells treated with Serum 10% 15', using SRF (Phospho-Ser99) Antibody. The lane on the right is blocked with the phosphopeptide.