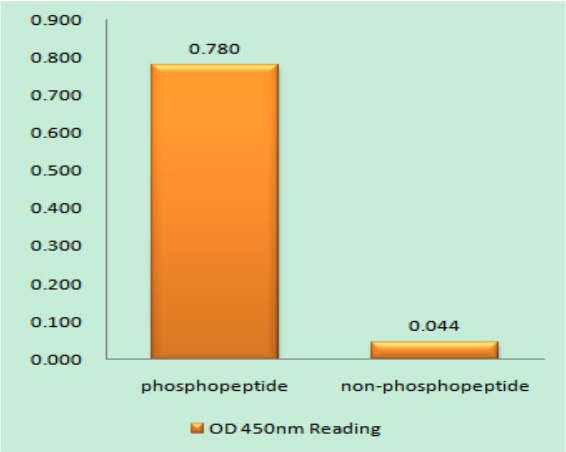
Best Tools for immunology Research

SRF (phospho Ser77) Polyclonal Antibody

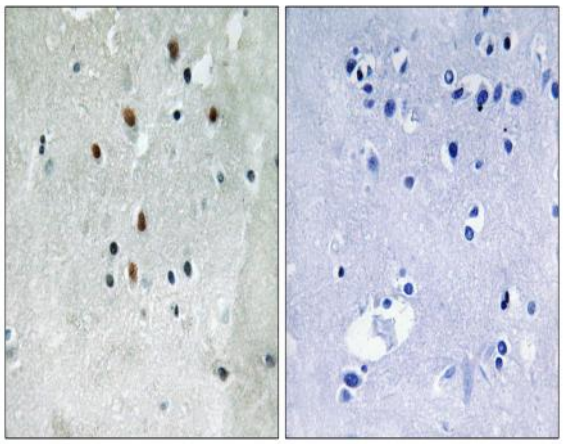
Catalog No :	YP0775
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	SRF
Fields :	>>MAPK signaling pathway;>>cGMP-PKG signaling pathway;>>Human T-cell leukemia virus 1 infection;>>Viral carcinogenesis
Gene Name :	SRF
Protein Name :	Serum response factor
Human Gene Id :	6722
Human Swiss Prot No :	P11831
Mouse Gene Id :	20807
Mouse Swiss Prot No :	Q9JM73
Immunogen :	The antiserum was produced against synthesized peptide derived from human SRF around the phosphorylation site of Ser77. AA range:41-90
Specificity :	Phospho-SRF (S77) Polyclonal Antibody detects endogenous levels of SRF protein only when phosphorylated at S77.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	52kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
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],
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 differentation 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.,
Subcellular Location :	Nucleus .
Expression :	Brain,Epithelium,Lung,Lymph,

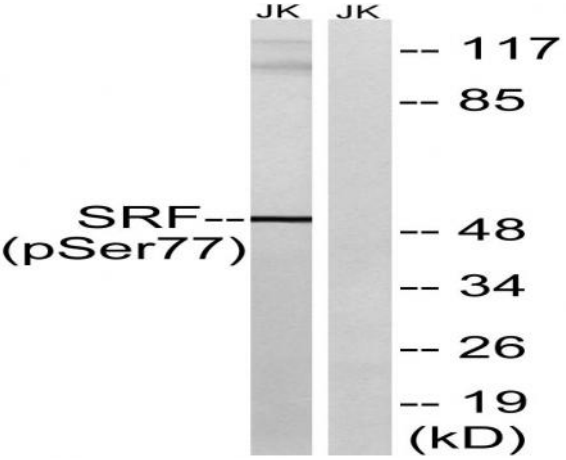
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using SRF (Phospho-Ser77) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using SRF (Phospho-Ser77) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with PMA 125ng/ml 30', using SRF (Phospho-Ser77) Antibody. The lane on the right is blocked with the phospho peptide.