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## SRF (D71A9) XP<sup>®</sup> Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, ChIP	H M R Mk Pg	Endogenous	67	Rabbit IgG	#P11831	6722

### Product Usage Information

For optimal ChIP results, use 5 µl of antibody and 10 µg of chromatin (approximately 4 x 10<sup>6</sup> cells) per IP. This antibody has been validated using SimpleChIP<sup>®</sup> Enzymatic Chromatin IP Kits.

#### Application

Western Blotting  
Immunoprecipitation  
Chromatin IP

#### Dilution

1:1000  
1:50  
1:100

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

SRF (D71A9) XP<sup>®</sup> Rabbit mAb recognizes endogenous levels of total SRF protein.

### Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser375 of human SRF protein.

### Background

The serum response factor (SRF) is a 67 kDa phospho-protein that, together with auxiliary factors, modulates transcription of immediate early genes containing serum response elements at their promoters (1,2). SRF contains several phosphorylation sites (3), but functional consequences of phosphorylation have not been identified unequivocally. Several growth factor- and calcium-regulated kinases, such as p90RSK and CaM kinase IV, can phosphorylate SRF at Ser103 (4,5), and Ser103 of SRF is also a nuclear target for MAPKAP kinase 2 (6).

### Background References

1. Treisman, R. (1995) *EMBO J* 14, 4905-13.
2. Janknecht, R. et al. (1995) *Carcinogenesis* 16, 443-50.
3. Marais, R.M. et al. (1992) *EMBO J* 11, 97-105.
4. Rivera, V.M. et al. (1993) *Mol Cell Biol* 13, 6260-73.
5. Miranti, C.K. et al. (1995) *Mol Cell Biol* 15, 3672-84.
6. Heidenreich, O. et al. (1999) *J Biol Chem* 274, 14434-43.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween<sup>®</sup> 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation **ChIP:** Chromatin IP

### Cross-Reactivity Key

**H:** Human **M:** Mouse **R:** Rat **Mk:** Monkey **Pg:** Pig

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