

Mouse Monoclonal Antibody to ELK1

Catalogue Number	sAP-0079
Target Molecule	Name: ELK1 Aliases: ELK1 MW: N/A
Description	The transcription factor ELK1 is a member of the ETS oncogene family and of the ternary complex factor (TCF) subfamily, which is located on chromosome Xp11.2 and stimulates transcription. Binds to purine-rich DNA sequences. Proteins of the TCF subfamily form a ternary complex by binding to the serum response factor and the serum response element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. Elk1 is phosphorylated by MAP kinase pathways at a cluster of S/T motifs at its C terminus. It appears to be a direct target of activated MAP kinase. Biochemical studies indicate that Elk1 is a good substrate for MAP kinase, the kinetics of Elk1 phosphorylation and activation correlate with MAP kinase activity, and interfering mutants of
Immunogen	Purified recombinant fragment of ELK1 expressed in E. Coli.
Reactive Species	Human
Clone	MM3H6D12;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, and stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Rao, V.N., et al. 1989. <i>Science</i> 244 (4900): 66-70. ; 2. Hsieh, Y.H., et al. 2006. <i>Biochem. Biophys. Res. Commun.</i> 339 (1): 217-225. ; 3. Gille, H., Strahl, T. and Shaw, P.E. 1995. <i>Curr. Biol.</i> 5 (10): 1191-1200. ; 4. Gille, H., et al. 1995. <i>EMBO J.</i> 14 (5): 951-962.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**