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Rabbit Anti-Phospho-ELk1 (Ser389) antibody

SL5335R

Product Name:	Phospho-ELk1 (Ser389)
Chinese Name:	磷酸化细胞转录因子ELK1抗体
Alias:	Elk-1(Phospho-Ser389); ELK1 (phospho S389); p-ELK1 (phospho S389); ELK 1; ELK1 member of ETS oncogene family; ELK1 protein; ELK2 member of ETS oncogene family; ETS domain containing protein Elk 1; ETS domain containing protein Elk1; ETS domain protein Elk1; Oncogene Elk1; ETS domain-containing protein Elk-1 isoform a; ETS domain-containing protein Elk-1; ETS-like gene 1; tyrosine kinase (ELK1) oncogene; ELK1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human ELk1 around the phosphorylation site of Ser389:PR(p-S)PA
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Product Detail:	This gene is a member of the Ets family of transcription factors and of the ternary complex factor (TCF) subfamily. Proteins of the TCF subfamily form a ternary complex by binding to the 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. This gene produces multiple isoforms by using alternative translational start codons and by alternative splicing. Related pseudogenes have been identified on chromosomes 7 and 14. [provided by RefSeq, Mar 2012]. **Function:** Stimulates transcription. Binds to purine-rich DNA sequences. Can form a ternary complex with the serum response factor and the ETS and SRF motifs of the fos serum response element. **Subunit:** Interacts in its sumoylated form with PIAS2/PIASX which enhances its transcriptional activator activity. Interacts with MAD2L2; the interaction is direct and promotes phosphorylation by the kinases MAPK8 and/or MAPK9. **Subcellular Location:** Nucleus. **Tissue Specificity:** Lung and testis. **Post-translational modifications:** Sumoylation represses transcriptional activator activity as it results in recruitment of HDAC2 to target gene promoters which leads to decreased histone acetylation and reduced transactivator activity. It also regulates nuclear retention. On mitogenic stimulation, phosphorylated on C-terminal serine and threonine residues by MAPK1. Ser-383 and Ser-389 are the preferred sites for MAPK1. In vitro, phosphorylation by MAPK1 potentiates ternary complex formation with the serum responses factors, SRE and SRF. Also phosphorylated on Ser-383 by MAPK8 and/or MAKP9. Phosphorylation leads to loss of sumoylation and restores transcriptional activator activity. Phosphorylated and activated by CAMK4, MAPK11, MAPK12 and MAPK14. **Similarity:** Belongs to the ETS family. Contains 1 ETS DNA-binding domain. **SWISS:** P19419 **Gene ID:** 2002

Database links:

Entrez Gene: 2002Human

Entrez Gene: 13712Mouse

Entrez Gene: 314436Rat

Omim: 311040Human

SwissProt: P19419Human

SwissProt: P41969Mouse

Unigene: 181128Human

Unigene: 405823Mouse

Unigene: 30029Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

细胞转录因子ELK1是ETS致癌基因家族的一种。