



Magic™ Anti-ELK1 (Phospho S383) polyclonal antibody (CPBT-66788RE)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product is specific for rat Ets-like protein-1 (ELK-1) when phosphorylated at serine 383. ELK-1 is a member of the ternary complex factor (TCF) family of transcription factors, which is thought to play a role in mediating gene expression in response to growth factors. ELK-1 can be phosphorylated at serine 383 and 389 in its C-terminal region in response to the activation of extracellular signal-regulated kinase (ERK) proteins. Phosphorylation of ELK-1 results in an increase in its transcriptional activity, leading to the transcription of growth-related proteins, such as c-Fos. Western Blotting detects a band of approximately 46kDa in Western blots.

Specificity	ELK-1
Target	ELK1
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence within ELK-1 which includes phosphorylated Ser383.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat, Dog, Human, Monkey, Mouse, Zebrafish
Conjugate	Unconjugated
Applications	WB
Format	Purified IgG - liquid
Size	100 µl
Preservative	0.09% Sodium Azide

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	ELK1 ELK1, member of ETS oncogene family [Homo sapiens (human)]
Official Symbol	ELK1
Synonyms	ELK1; ELK1, member of ETS oncogene family; ETS domain-containing protein Elk-1; ETS-like gene 1; tyrosine kinase (ELK1) oncogene; ELK-1;
Entrez Gene ID	2002
Protein Refseq	NP_001107595
UniProt ID	P19419
Chromosome Location	Xp11.2
Pathway	Activated TLR4 signalling; Angiopoietin receptor Tie2-mediated signaling; B Cell Receptor Signaling Pathway; BCR signaling pathway; BDNF signaling pathway; Corticotropin-releasing hormone; Downstream signaling in naive CD8+ T cells; EGFR1 Signaling Pathway;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin binding; core promoter binding; double-stranded DNA binding; protein binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity;