

Phospho-Ser383 Elk-1 Antibody
Affinity purified rabbit polyclonal antibody
Catalog # AN1009

Specification

Phospho-Ser383 Elk-1 Antibody - Product Information

Application	WB
Primary Accession	P19419
Reactivity	Rat
Predicted	Human, Mouse, Monkey, Zebrafish
Host	Rabbit
Clonality	polyclonal
Calculated MW	46 KDa

Phospho-Ser383 Elk-1 Antibody - Additional Information

Gene ID	2002
Gene Name	ELK1

Other Names

ETS domain-containing protein Elk-1, ELK1

Target/Specificity

Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser383 conjugated to KLH.

Dilution

WB~~ 1:1000

Format

Prepared from rabbit serum by affinity purification via sequential chromatography on phospho- and dephosphopeptide affinity columns.

Antibody Specificity

Specific for ~46k Elk-1 phosphorylated at Ser383. Immunolabeling is blocked by the phosphopeptide used as antigen but not by the corresponding dephosphopeptide.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Phospho-Ser383 Elk-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

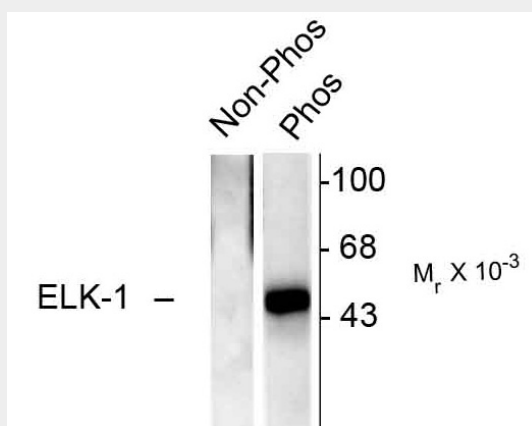
Blue Ice

Phospho-Ser383 Elk-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-Ser383 Elk-1 Antibody - Images



Western blot of recombinant Elk-1 showing specific immunolabeling of the ~46k Elk-1 phosphorylated at Ser383 (Phos). The immunolabeling is absent in dephospho-Elk-1 (Non-Phos).

Phospho-Ser383 Elk-1 Antibody - Background

Elk-1 is a transcription factor involved in mediating gene transcription in response to growth factors (Hill and Treisman, 1995). Elk-1 is thought to be phosphorylated by MAP kinase at Ser383 and phosphorylation at this site is essential for the transcriptional activity of Elk-1 (Li et al., 2003). Phosphorylation of Elk-1 has also been implicated in synaptic plasticity in the adult hippocampus (Thiels et al., 2002).

Phospho-Ser383 Elk-1 Antibody - References

Hill CS, Treisman R (1995) Transcriptional regulation by extracellular signals: mechanisms and specificity. *Cell* 80:199-211.

Li QJ, Yang SH, Maeda Y, Sladek FM, Sharrocks AD, Martins-Green M (2003) MAP kinase phosphorylation-dependent activation of Elk-1 leads to activation of the co-activator p300. *EMBO J* 22:281-291.

Thiels E, Kanterewicz BI, Norman ED, Trzaskos JM, Klann E (2002) Long-term depression in the adult hippocampus in vivo involves activation of extracellular signal-regulated kinase and phosphorylation of Elk-1. *J Neurosci* 22:2054-2062.