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Phospho-ELK1(T417) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3424a

Specification

Phospho-ELK1(T417) Antibody Blocking peptide - Product Information

Primary Accession P19419

Phospho-ELK1(T417) Antibody Blocking peptide - Additional Information

Gene ID 2002

Other Names
ETS domain-containing protein Elk-1, ELK1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP3424a was selected from the region of human Phospho-ELK1-T417. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-ELK1(T417) Antibody Blocking peptide - Protein Information

Name ELK1

Function
Transcription factor that binds to purine-rich DNA sequences. Forms a ternary complex with SRF and the ETS and SRF motifs of the serum response element (SRE) on the promoter region of immediate early genes such as FOS and IER2. Induces target gene transcription upon JNK-signaling pathway stimulation (By similarity).

Cellular Location
Nucleus.

Tissue Location
Lung and testis.

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Phospho-ELK1(T417) Antibody Blocking peptide - Protocols

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

- Blocking Peptides

Phospho-ELK1(T417) Antibody Blocking peptide - Images

Phospho-ELK1(T417) Antibody Blocking peptide - Background

ELK1 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 reponse element in the promoter of the c-fos proto-oncogene. The protein is a nuclear target for the ras-raf-MAPK signaling cascade.

Phospho-ELK1(T417) Antibody Blocking peptide - References

Salinas, S., et al., J. Cell Biol. 165(6):767-773 (2004).Yang, S.H., et al., Mol. Cell 12(1):63-74 (2003).Bebien, M., et al., Oncogene 22(12):1836-1847 (2003).Sharrocks, A.D., Biochem. Soc. Trans. 30(2):1-9 (2002).Murai, K., et al., Mol. Cell. Biol. 22(20):7083-7092 (2002).