

Phospho-Elk-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10283**Specification**

Phospho-Elk-1 Antibody - Product Information

Application	WB
Primary Accession	P19419
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44888

Phospho-Elk-1 Antibody - Additional Information**Gene ID** 2002

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody detects 62 kDa phosphorylated Elk-1 (Ser383) of human, mouse and rat origins.
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Other Names

phosphoELK1, phospho ELK 1, phospho ELK- 1, elk-1, Oncogene Elk1, ELK1 member of ETS oncogene family

Target/Specificity

Elk-1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

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

Phospho-Elk-1 Antibody - Protein Information

Name ELK1 ([HGNC:3321](#))

Function

Transcription factor that binds to purine-rich DNA sequences (PubMed:10799319, PubMed:7889942). 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 (PubMed:1630903). Induces target gene transcription upon JNK and MAPK- signaling pathways stimulation (PubMed:7889942).

Cellular Location

Nucleus.

Tissue Location

Lung and testis.

Phospho-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-Elk-1 Antibody - Images**Phospho-Elk-1 Antibody - Background**

Elk-1 is a transcription factor that binds the serum response element (SRE) and mediates gene activity in response to serum and growth factors. Elk-1 is phosphorylated by MAP kinase pathways and appears to be a direct target of activated MAP kinase. Biochemical studies indicate that Elk-1 is a good substrate for MAP kinase. The kinetics of Elk-1 phosphorylation and activation correlate with MAP kinase activity. Other studies have shown that Elk-1 (Ser383) is also a target of the stress-activated kinase SAPK/JNK.