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Elk-1 Ab

Rabbit Polyclonal Antibody
Catalog # ABV10282

Specification

Elk-1 Ab - Product Information

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

Elk-1 Ab - Additional Information

Gene ID 2002

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

Other Names
ELK1, 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
Elk-1 Ab is for research use only and not for use in diagnostic or therapeutic procedures.

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Elk-1 Ab - 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.

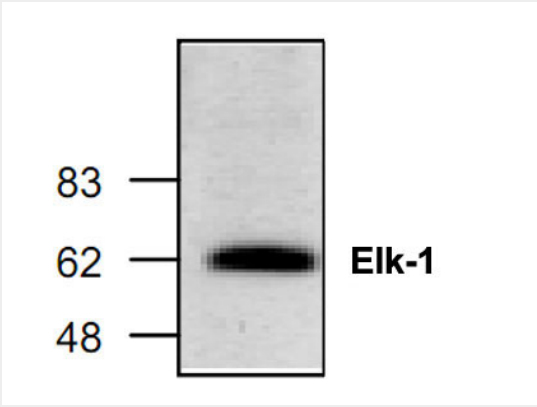
Tissue Location
Lung and testis.

Elk-1 Ab - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Elk-1 Ab - Images



Western blot analysis of E. Coli expressed Elk-1 fusion protein.

Elk-1 Ab - 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.