



Elk-1 (Phospho-Ser383) Antibody

#11004

Catalog Number: 11004-1, 11004-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P19419

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human Elk-1 around the phosphorylation site of serine 383 (T-L-S^P-P-I).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site

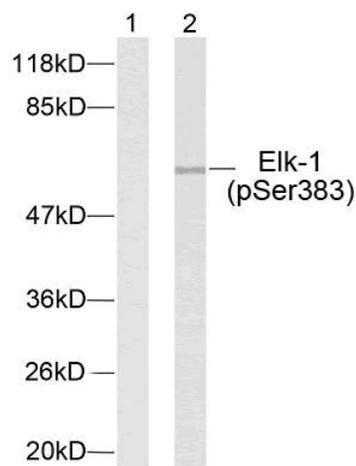
Specificity/Sensitivity: Elk-1 (phospho-Ser383) antibody detects endogenous levels of Elk-1 only when phosphorylated at serine 383.

Reactivity: Human, Mouse, Rat

Applications:

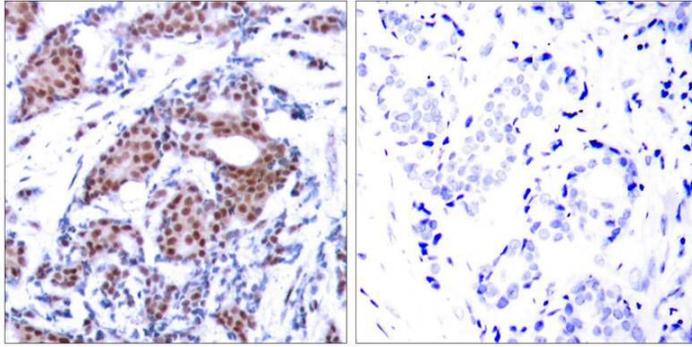
Predicted MW: 62 kd

WB: 1:500~1:1000 IHC: 1:50~1:100



UV - +

Western blot analysis of extract from HeLa cells untreated or treated with UV using Elk-1 (phospho-Ser383) antibody (#11004).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Elk-1 (Phospho-Ser383) antibody (#11004).

Background :

Elk-1 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 encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. Iternatively spliced transcript variants encoding the same protein have been found for this gene.

References:

- Xing J, et al. (1996) *Science*. 273(5277): 959-963.
- Janknecht R, et al. (1993) *EMBO J*. 12(13): 5097-5104.
- Marais R, et al. (1993) *Cell* 73: 381-393.
- Kortenjann M, et al. (1994) *Mol Cell Biol*. 14: 4815-4824.
- Cavigelli M, et al. (1995) *EMBO J*. 14: 5957-5964