

## Elk-1(Phospho-Ser383) Antibody

Catalog No: #11004

Package Size: #11004-1 50ul #11004-2 100ul

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## Description

|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Elk-1(Phospho-Ser383) Antibody                                                                                                                                                                                                                                                          |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB IHC                                                                                                                                                                                                                                                                                  |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                                                                                                                                |
| Specificity           | The antibody detects endogenous level of Elk-1 only when phosphorylated at serine 383.                                                                                                                                                                                                  |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 383 (T-L-S(p)-P-I) derived from Human Elk-1.                                                                                                                                                                                     |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                            |
| Target Name           | Elk-1                                                                                                                                                                                                                                                                                   |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| Other Names           | ELK1; ETS-domain protein Elk-1;                                                                                                                                                                                                                                                         |
| Accession No.         | Swiss-Prot: P19419NCBI Protein: NP_001107595.1                                                                                                                                                                                                                                          |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                            |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                                                                                                                               |

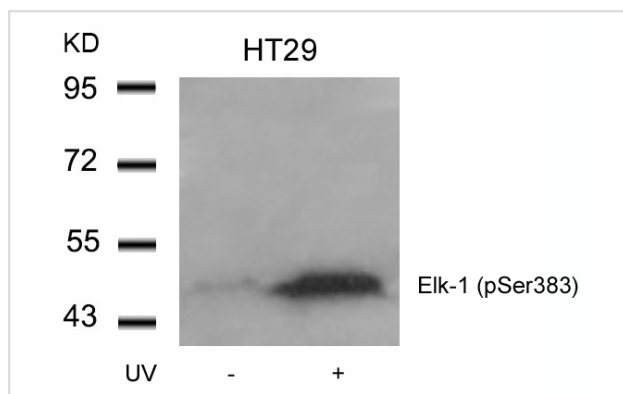
## Application Details

Predicted MW: 47kd

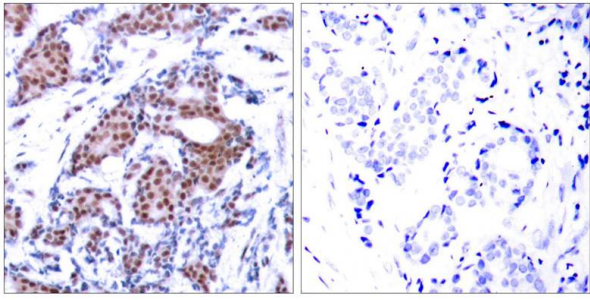
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HT29 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(left) or the same antibody preincubated with blocking peptide(right).

## 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.

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.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.