Elk-1(Phospho-Ser383) Antibody

Catalog No: #11004

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

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. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy 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.
Target Name	Elk-1
Modification	Phospho
Other Names	ELK1; ETS-domain protein Elk-1;
Accession No.	Swiss-Prot: P19419NCBI Protein: NP_001107595.1
Uniprot	P19419
GeneID	2002;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

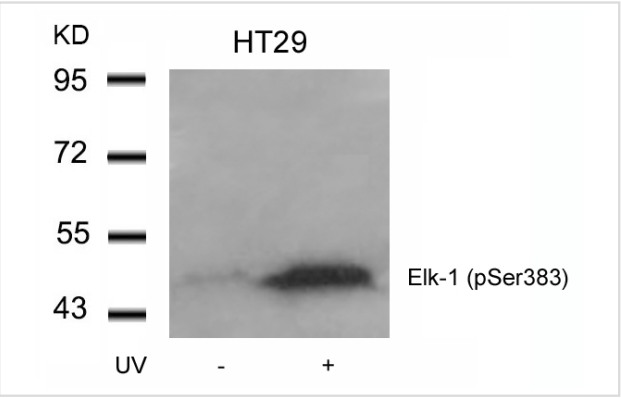
Application Details

Predicted MW: 47kd

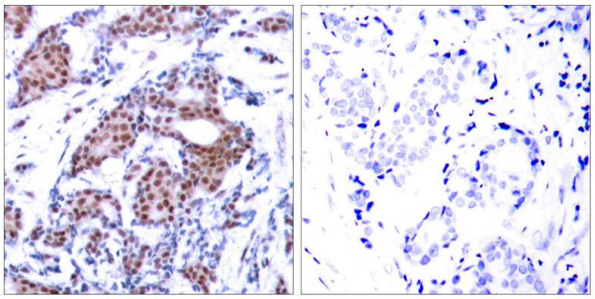
Western blotting: 1:500~1:1000

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