

Datasheet for 600-401-D34**Elk-1 phospho S383 Antibody****Overview**

Description:	Anti-ELK1 pS383 (RABBIT) Antibody - 600-401-D34
Item No.:	600-401-D34
Size:	100 µL
Applications:	WB
Reactivity:	Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Elk-1 Antibody detects Elk-1 which is a transcription factor involved in mediating gene transcription in response to growth factors. Elk-1 is thought to be phosphorylated by MAP kinase at Ser383 and phosphorylation at this site is essential for the transcriptional activity of Elk-1. Phosphorylation of Elk-1 has also been implicated in synaptic plasticity in the adult hippocampus. Anti-Elk-1 pS383 Antibody is ideal for investigators involved in Cell Signaling, Cell Motility and, Cancer Research.
Synonyms:	ETS domain-containing protein Elk-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ELK1
Reactivity:	Mouse, Rat
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Elk-1 pS383 Antibody was produced in rabbit by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser383 conjugated to KLH.

Purity/Specificity: Anti-Elk-1 pS383 antibody is directed against Elk-1. Anti-Elk-1 pS383 antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. This antibody is specific for phosphorylated Elk-1 pS383. Minimal reactivity occurs against non-phosphorylated Elk-1 pS383. Reactivity is completely blocked by treatment with lambda-phosphatase. Reactivity against Elk-1 pS383 occurs from mouse and rat sources. However, reactivity is also expected against canine, mouse, human, non-human primate and zebra fish.

Relevant Links:

- [UniProtKB - P19419](#)
- [GeneID - 2002](#)

Application Details

Tested Applications:	WB
Application Note:	Anti-Elk-1 pS383 Antibody is tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 46 kDa in size corresponding to Elk-1 phosphorylated at Ser383 in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10000
WB:	1:1000

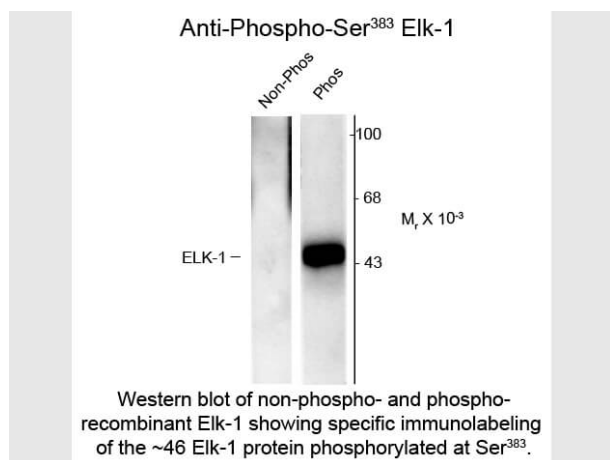
Formulation

Physical State:	Liquid
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Anti-Elk-1 pS383 (Rabbit) Antibody. Lane 1: recombinant Elk-1 non-phospho. Lane 2: recombinant Elk-1 phospho. Load: 10 µg per lane. Primary antibody: Elk-1 pS383 antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~46kDa/~46kDa for Elk-1 phosphorylated at Ser383. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.