

Product datasheet

Anti-ELK1 (phospho T417) antibody ab194795

[1 References](#) [2 Images](#)

Overview

Product name	Anti-ELK1 (phospho T417) antibody
Description	Rabbit polyclonal to ELK1 (phospho T417)
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human ELK1 (phospho T417). Database link: P19419
Positive control	IHC-P: Human breast carcinoma tissue; ICC/ IF: HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab194795 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100.
ICC/IF		1/100 - 1/200.

Target

Function

Stimulates transcription. Binds to purine-rich DNA sequences. Can form a ternary complex with the serum response factor and the ETS and SRF motifs of the fos serum response element.

Tissue specificity

Lung and testis.

Sequence similarities

Belongs to the ETS family.
Contains 1 ETS DNA-binding domain.

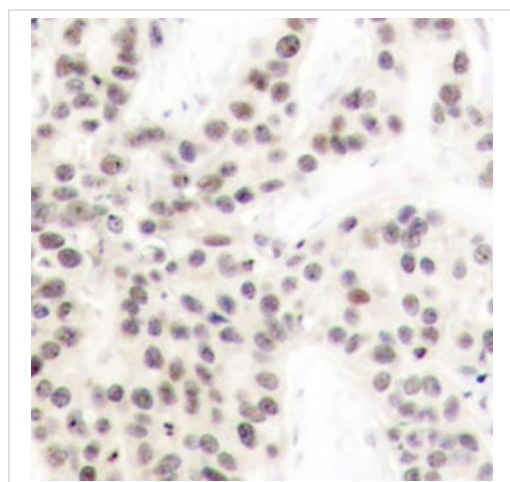
Post-translational modifications

Sumoylation represses transcriptional activator activity as it results in recruitment of HDAC2 to target gene promoters which leads to decreased histone acetylation and reduced transactivator activity. It also regulates nuclear retention.
On mitogenic stimulation, phosphorylated on C-terminal serine and threonine residues by MAPK1. Ser-383 and Ser-389 are the preferred sites for MAPK1. In vitro, phosphorylation by MAPK1 potentiates ternary complex formation with the serum responses factors, SRE and SRF. Phosphorylation leads to loss of sumoylation and restores transcriptional activator activity.

Cellular localization

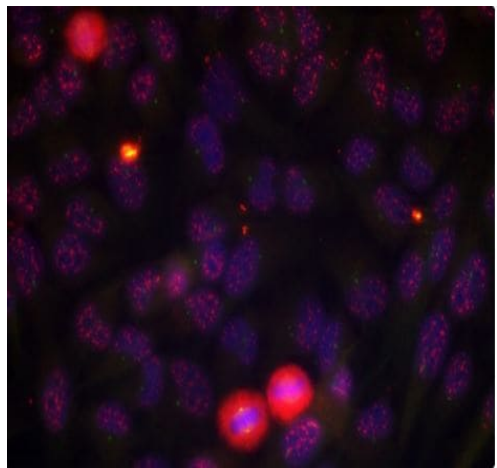
Nucleus.

Images



Immunohistochemical analysis of paraffin embedded human breast carcinoma tissue labeling ELK1 (phospho T417) with ab194795.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ELK1 (phospho T417) antibody (ab194795)



Immunofluorescence staining of HeLa cells stained for ELK1 (phospho T417) with ab194795.

Immunocytochemistry/ Immunofluorescence - Anti-ELK1 (phospho T417) antibody (ab194795)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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