

Datasheet for ABIN197160
anti-ELK1 antibody (Ser389)



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3 Images

Overview

Quantity:	0.1 mL
Target:	ELK1
Binding Specificity:	Ser389
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic non-phosphopeptide derived from human Elk-1 around the phosphorylation site of serine 389 (P-R-SP-P-A).
Specificity:	Elk-1 antibody detects endogenous levels of total Elk-1 protein.
Purification:	Affinity chromatography

Target Details

Target:	ELK1
Alternative Name:	ELK1 (ELK1 Products)
Background:	The transcription factor Elk1 is a component of the ternary complex that binds the serum response element (SRE) and mediates gene activity in response to serum and growth factors.

Target Details

Elk1 is phosphorylated by MAP kinase pathways at a cluster of S/T motifs at its C terminus. Phosphorylation at these sites, particularly Ser383, is critical for transcriptional activation by Elk1. Elk1 appears to be a direct target of activated MAP kinase. Biochemical studies indicate that Elk1 is a good substrate for MAP kinase, the kinetics of Elk1 phosphorylation and activation correlate with MAP kinase activity, and interfering mutants of MAP kinase block Elk1 activation in vivo. More recent studies have shown that Elk1 (Ser383) is also a target of the Stress Activated Kinase SAPK/JNK. Phosphorylation of Elk1 has also been implicated in synaptic plasticity in the adult hippocampus. Synonyms: ETS domain-containing protein Elk-1, Elk-1

Gene ID:	2002
NCBI Accession:	NP_001107595
UniProt:	P19419
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

Application Details

Application Notes:	Immunohistochemistry: 1: 50approx. 1: 100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS(without Mg ²⁺ and Ca ²⁺), pH 7.4 containing 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C

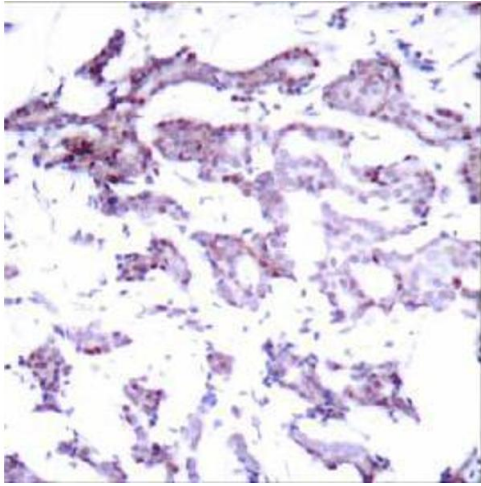


Image 1.

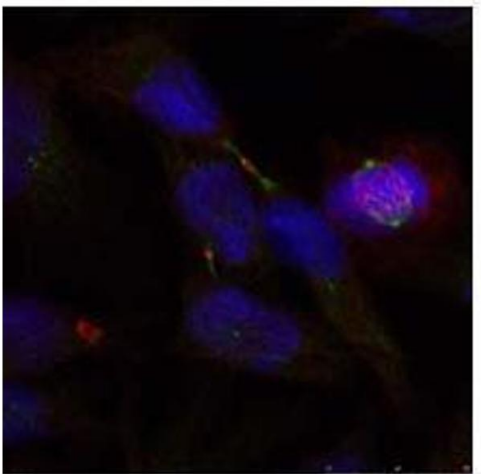


Image 2.

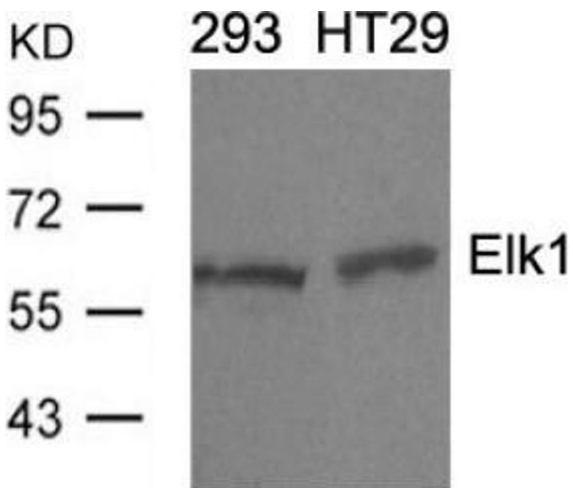


Image 3.