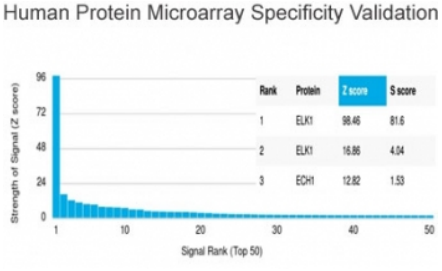
ELK1 Antibody / MAPK-Responsive Transcription Factor Antibody [clone PCRP-ELK1-1D9] (V9193)

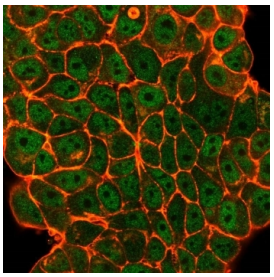
Catalog No.	Formulation	Size
V9193-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9193-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9193SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

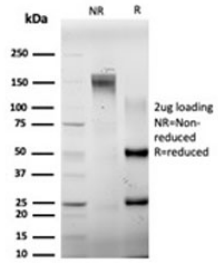
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-ELK1-1D9
Purity	Protein A/G affinity
UniProt	P19419
Localization	Nucleus
Applications	Western blot: 1-2ug/ml Immunofluorescence: 1-2ug/ml
Limitations	This ELK1 Antibody / MAPK-Responsive Transcription Factor Antibody is available for research use only.



ELK1 Antibody HuProt Microarray Validation. Analysis of a HuProt(TM) human protein microarray containing more than 19,000 full-length proteins using ELK1 antibody demonstrates highly selective recognition of ELK1, with the strongest signal ranking corresponding to the intended target and clear separation from non-target proteins, supporting proteome-wide specificity for this MAPK-responsive transcription factor; detection was performed with clone PCRP-ELK1-1D9. Z- and S-scores reflect signal intensity and relative target specificity across the protein array.



ELK1 Antibody MCF-7 IF. Immunofluorescence analysis of PFA-fixed human MCF-7 cells using ELK1 antibody (green) shows predominant nuclear localization consistent with its role as a MAPK-responsive transcription factor regulating ERK-dependent gene expression, while phalloidin (red) highlights the actin cytoskeleton; detection was performed with clone PCRP-ELK1-1D9.



SDS-PAGE analysis of purified, BSA-free ELK1 antibody (clone PCRP-ELK1-1D9) as confirmation of integrity and purity.

Description

ELK1 is a member of the ETS family of transcription factors and functions as a key downstream effector of MAPK/ERK signaling pathways. ELK1 regulates transcriptional responses to extracellular stimuli by binding specific DNA motifs within promoter regions of target genes, particularly immediate early genes involved in cellular activation, proliferation, differentiation, and stress responses. Through its ability to integrate signaling inputs into transcriptional outputs, ELK1 plays an important role in coordinating signal-dependent gene expression programs.

ELK1 Antibody, also referred to as ETS like-1 protein antibody and ELK1 transcription factor antibody in the literature, recognizes a nuclear transcription factor that becomes activated through phosphorylation downstream of MAPK signaling cascades. ERK-mediated phosphorylation enhances ELK1 transcriptional activity and promotes recruitment of transcriptional co-regulators, linking extracellular growth factor stimulation to rapid changes in gene expression. This signaling axis is involved in regulation of cellular proliferation, neuronal activity, and adaptive transcriptional responses. This antibody is part of a collection of Human Protein Microarray validated antibodies that have been screened for specificity across thousands of proteins.

This ELK1 Antibody / MAPK-Responsive Transcription Factor Antibody (clone PCRP-ELK1-1D9) is uniquely positioned for studies focused on transcriptional signaling downstream of MAPK and ERK activation. ELK1 has been implicated in pathways associated with oncogenic signaling, neuronal plasticity, and growth factor-mediated cellular responses. Its role in regulating immediate early gene transcription makes ELK1 an important marker for examining how extracellular signaling events influence nuclear transcription programs.

In immunofluorescence analysis, ELK1 is typically observed as nuclear staining consistent with its role as a transcription factor. This nuclear localization provides a clear cellular readout for evaluating transcription factor distribution and signaling-associated activation states. Microarray validation of clone PCRP-ELK1-1D9 supports its specificity for ELK1, providing confidence in target recognition across a broad range of proteins and supporting reliable detection in imaging-based and protein analysis applications.

Clone PCRP-ELK1-1D9 is a mouse monoclonal antibody designed to detect ELK1 with consistent performance in research applications. An ELK1 antibody is suitable for detecting ELK1 expression in studies of MAPK signaling, ERK-responsive transcription, and signal-dependent gene regulation.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the ELK1 Antibody / MAPK-Responsive Transcription Factor Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ELK1 protein was used as the immunogen for the ELK1 antibody.

Storage

Aliquot the ELK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

ELK1 antibody, ETS like-1 protein antibody, ETS domain-containing protein Elk-1 antibody, ELK-1 antibody, ELK1 transcription factor antibody

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