

For Research Use Only

# ELK1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87009-3-PBS



## Basic Information

|                                                            |                                                          |                                                       |
|------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87009-3-PBS                      | <b>GenBank Accession Number:</b><br>BC056150             | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>2002                            | <b>CloneNo.:</b><br>252085A8                          |
| <b>Source:</b><br>Rabbit                                   | <b>UNIPROT ID:</b><br>P19419                             |                                                       |
| <b>Isotype:</b><br>IgG                                     | <b>Full Name:</b><br>ELK1, member of ETS oncogene family |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG26683                | <b>Calculated MW:</b><br>45 kDa                          |                                                       |
|                                                            | <b>Observed MW:</b><br>58-60 kDa                         |                                                       |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

ELK1 is a nuclear transcription factor of the ETS-domain family and the ternary complex factor (TCF) sub-family. It binds to purine-rich DNA sequences and forms a ternary complex with serum response factor (SRF) on the serum response element (SRE) located in the promoter regions of immediate early genes such as FOS and IER2. Upon activation of the JNK or MAPK/ERK signaling cascades, ELK1 is phosphorylated and rapidly induces target-gene transcription, thereby regulating cell proliferation, differentiation, and survival.

## Storage

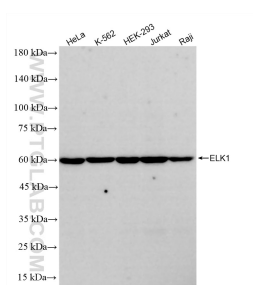
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

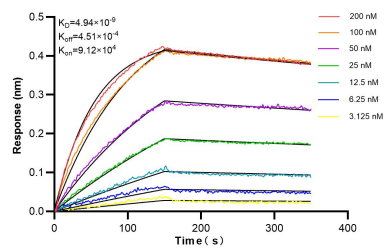
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87009-3-RR (ELK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87009-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87009-3-RR against Human ELK1 were performed. The affinity constant is 4.94 nM.