

## Anti-ELK1 antibody (BL-54245)

### Product information

Product name	Anti-ELK1 antibody (BL-54245)
Immunogen	Synthetic peptide conjugated to KLH, surrounding amino acids 387-391 (P-R-S-P-A) of Human ELK1 (NP_001107595.1).
Host	Rabbit
Reactivity	Mouse, Rat, Human
Applications	WB, IHC-P, ICC/IF
Clonality	Polyclonal
Isotype	IgG
Purification	Immunogen affinity purified
Conjugate	N/A

### Applications

WB	1/500 - 1/1000.
ICC/IF	1/100 - 1/200.
IHC-Fr	N/A
IHC-P	1/50 - 1/100.
IP	N/A

### Properties

Formulation	Liquid solution
Storage buffer	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative, 1% BSA as stabilizer and 50% Glycerol.
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze/thaw cycle.
Shipped at 4°C.	Shipped at 4°C.

### Background

*E twenty-six (ETS)-like transcription factor 1*, also known as *ELK1*, is a member of the *Ets* family of transcription factors and of the ternary complex factor (TCF) subfamily. It is targeted in the nucleus by three major MAP kinase pathways as well as the

*CaMKII pathway. phosphorylation of nuclear Elk1 enhances its ability to bind DNA at serum response elements and stimulate transcription of immediate early genes. Elk1 plays important roles in various contexts, including long-term memory formation, drug addiction, Alzheimer's disease, down syndrome, breast cancer, and depression. This antibody got an 62kd band in western blotting maybe due to its phosphorylation*