

**Goat Anti-ELF1 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1360a****Specification**

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**Goat Anti-ELF1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P32519</a>
Other Accession	<a href="#">NP_001138825</a> , <a href="#">1997</a> , <a href="#">13709 (mouse)</a>
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	67498

**Goat Anti-ELF1 Antibody - Additional Information****Gene ID** 1997**Other Names**

ETS-related transcription factor Elf-1, E74-like factor 1, ELF1

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-ELF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-ELF1 Antibody - Protein Information****Name** ELF1**Function**

Transcription factor that activates the LYN and BLK promoters. Appears to be required for the T-cell-receptor-mediated trans activation of HIV-2 gene expression. Binds specifically to two purine-rich motifs in the HIV-2 enhancer.

**Cellular Location**

Nucleus.

**Tissue Location**

In fetal tissues, it is highly expressed in heart, lung liver and kidney, and weakly expressed in brain. In adult, it is highly expressed in pancreas, spleen, thymus and peripheral blood leukocytes, expressed at moderate levels in heart, placenta, lung, liver, skeletal muscle, kidney, prostate, ovary, small intestine and colon, and weakly expressed in brain and testis

**Goat Anti-ELF1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-ELF1 Antibody - Images**

AF1360a staining (0.3 µg/ml) of Human Tonsil lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

**Goat Anti-ELF1 Antibody - Background**

This gene encodes an E26 transformation-specific related transcription factor. The encoded protein is primarily expressed in lymphoid cells and acts as both an enhancer and a repressor to regulate transcription of various genes. Alternative splicing results in multiple transcript variants.

**Goat Anti-ELF1 Antibody - References**

Identification of E74-like factor 1 (ELF1) as a transcriptional regulator of the Hox cofactor MEIS1. Xiang P, et al. Exp Hematol, 2010 Sep. PMID 20600580.  
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.  
Differential roles for ETS, CREB, and EGR binding sites in mediating VEGF receptor 1 expression in vivo. Jin E, et al. Blood, 2009 Dec 24. PMID 19822898.  
PP2A dephosphorylates Elf-1 and determines the expression of CD3zeta and FcRgamma in human systemic lupus erythematosus T cells. Juang YT, et al. J Immunol, 2008 Sep 1. PMID 18714041.

Physical and functional interactions between hematopoietic cell-specific ETS transcription factors and homeodomain proteins. Yamada T, et al. Leuk Res, 2009 Mar. PMID 18692240.