



ELF4, E74-like factor 4 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-11631
Animal ID	RB0567-0568
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_001421
Amount	100 µg

Alternative Name(s):

myeloid elf-1 like factor, MEF, ELF4, ELFR, ets domain transcription factor

E74-like factor 4 (ELF4) is a highly tissue-restricted member of the ets transcription factor/oncogene family. The ETS gene family encodes a group of proteins that function as transcription factors under physiological conditions and, if aberrantly expressed, can lead to cellular transformation. MEF has been shown to activate transcription from the promoters of GM-CSF and IL-3. ELF4 is a candidate tumor suppressor gene on the X chromosome with activities that are opposite to those of ETS-2: ELF4 suppresses the transcription and promoter activities of the genes encoding MMP-9 and IL-8, whereas ETS-2 up-regulates these activities. A subset of these proteins is rearranged with EWS in Ewing tumors (ET).

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

KLH conjugated synthetic peptide comprised of amino acids 560 - 578 [CLVPEETLRELLRDQAHLLQ] of the human E74-like factor 4 (ELF4) protein.

Application

Tested by peptide-specific ELISA (1:1,000).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Miyazaki Y, Sun X, Uchida H, Zhang J, Nimer S: MEF, a novel transcription factor with an Elf-1 like DNA binding domain but distinct transcriptional activating properties. *Oncogene* 13(8): 1721-1729 (1996).
2. Aryee DN, Petermann R, Kos K, Henn T, Haas OA, Kovar H: Cloning of a novel human ELF-1-related ETS transcription factor, ELFR, its characterization and chromosomal assignment relative to ELF-1. *Gene* 210(1): 71-78 (1998).
3. Suico MA, Koyanagi T, Ise S, Lu Z, Hisatsune A, Seki Y, Shuto T, Isohama Y, Miyata T, Kai H: Functional dissection of the ETS transcription factor MEF. *Biochim. Biophys. Acta* 1577(1): 113-120 (2002).