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Elf-4 Polyclonal Antibody
Catalog # AP69707

Specification

Elf-4 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q99607
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

Elf-4 Polyclonal Antibody - Additional Information

Gene ID 2000

Other Names
ELF4; ELFR; MEF; ETS-related transcription factor Elf-4; E74-like factor 4; Myeloid Elf-1-like factor

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Elf-4 Polyclonal Antibody - Protein Information

Name ELF4 {ECO:0000312|EMBL:CAI42882.1}

Function
Transcriptional activator that binds to DNA sequences containing the consensus 5'-WGGA-3'. Transactivates promoters of the hematopoietic growth factor genes CSF2, IL3, IL8, and of the bovine lysozyme gene. Acts synergistically with RUNX1 to transactivate the IL3 promoter (By similarity). Transactivates the PRF1 promoter in natural killer (NK) cells and CD8+ T cells (PubMed:34326534). Plays a role in the development and function of NK and NK T-cells and in innate immunity. Controls the proliferation and homing of CD8+ T-cells via the Kruppel-like factors KLF4 and KLF2 (By similarity). Controls cell senescence in a p53-dependent manner. Can also promote cellular transformation through inhibition of the p16 pathway. Is a transcriptional regulator of inflammation, controlling T-helper 17 (Th17) cells and macrophage inflammatory responses. Required for sustained transcription of anti-inflammatory genes, including IL1RN (PubMed:34326534, PubMed:35266071). Is a negative regulator of pro- inflammatory cytokines expression including IL17A, IL1B, IL6, TNFA and CXCL1 (PubMed:34326534, PubMed:35266071).

Down-regulates expression of TREM1, a cell surface receptor involved in the amplification of inflammatory responses (By similarity) (PubMed:34326534, PubMed:35266071).

Cellular Location
Nucleus, PML body. Note=Accumulation into PML nuclear bodies is mediated by PML

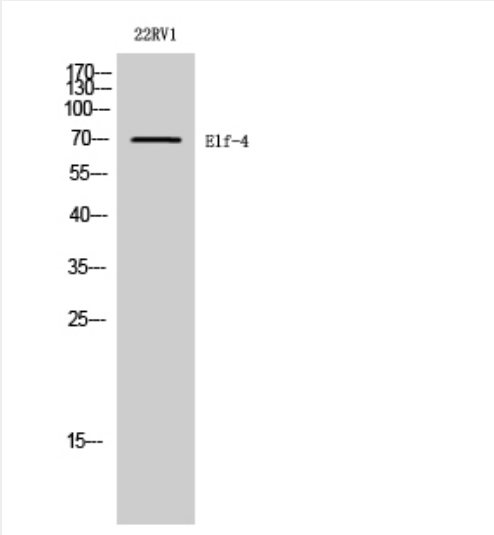
Tissue Location
Abundantly expressed in the placenta and in a variety of myeloid leukemia cell lines. Moderate levels of expression in heart, lung, spleen, thymus, peripheral blood lymphocytes, ovary and colon. Lower levels of expression in Jurkat T-cells and other T-cell lines and no expression in brain.

Elf-4 Polyclonal 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 Cytomety
- Cell Culture

Elf-4 Polyclonal Antibody - Images



Western Blot analysis of 22RV1 cells using Elf-4 Polyclonal Antibody diluted at 1□2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

Elf-4 Polyclonal Antibody - Background

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similarity). Also transactivates the PRF1 promoter in natural killer (NK) cells. Plays a role in the development and function of NK and NK T-cells and in innate immunity. Controls the proliferation and homing of CD8+ T-cells via the Kruppel-like factors KLF4 and KLF2 (By similarity). Controls cell senescence in a p53-dependent manner. Can also promote cellular transformation through inhibition of the p16 pathway.