



Elf-4 Monoclonal Antibody

Catalog No	YP-mAb-01690
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ELF4
Immunogen	The antiserum was produced against synthesized peptide derived from human ELF4. AA range:178-227
Specificity	Elf-4 Monoclonal Antibody detects endogenous levels of Elf-4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Elf-4;ELF4;ETS-related transcription factor Elf-4;ELFR;MEF;E74-like factor 4; Myeloid Elf-1-like factor
Observed Band	70kD
Calculated Molecular Weight	70kD
Cell Pathway	Nucleus, PML body . Accumulation into PML nuclear bodies is mediated by PML.
Tissue Specificity	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.
Function	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. 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.,induction:By ponisterone A in erythroleukemia cells.,similarity:Belongs to the ETS family., similarity:Contains 1 ETS DNA-binding domain.,subcellular



location:Accumulation into PML nuclear bodies is mediated by PML.,
subunit:Interacts via an N-terminal region with the RUNX1 Runt domain.
Interacts via its C-terminus with PML; this interaction enhances ELF4
transactivation of the bovine lysozyme gene.,tissue specificity:Abundantly
expressed in the placenta and

Background

The protein encoded by this gene is a transcriptional activator that binds and activates the promoters of the CSF2, IL3, IL8, and PRF1 genes. The encoded protein is involved in natural killer cell development and function, innate immunity, and induction of cell cycle arrest in naive CD8+ cells. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Jan 2010],

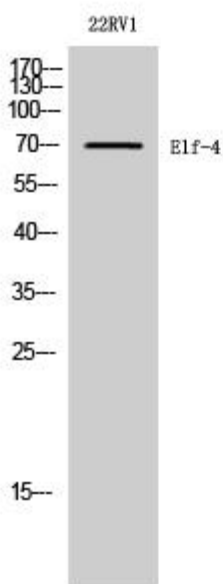
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Elf-4 Monoclonal Antibody