

EKLF (Acetyl Lys274) rabbit pAb

Catalog No :	YK0151
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	EKLF
Gene Name :	KLF1 EKLF
Protein Name :	EKLF (Acetyl Lys274)
Human Gene Id :	10661
Human Swiss Prot No :	Q13351
Mouse Swiss Prot No :	P46099
Immunogen :	Synthesized peptide derived from human EKLF (Acetyl Lys274)
Specificity :	This antibody detects endogenous levels of Human EKLF (Acetyl Lys274)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD

Background :

This gene encodes a hematopoietic-specific transcription factor that induces high-level expression of adult beta-globin and other erythroid genes. The zinc-finger protein binds to the DNA sequence CCACACCCT found in the beta hemoglobin promoter. Heterozygous loss-of-function mutations in this gene result in the dominant In(Lu) blood phenotype. [provided by RefSeq, Oct 2009],

Function :

function:Transcription regulator of erythrocyte development. Binds to the CACCC box in the beta-globin gene promoter and activates transcription. When sumoylation, acts as a Probably serves as a general switch factor for erythroid development. When sumoylated, acts as a transcriptional repressor, by promoting interaction with CDH2/MI2beta and also represses megakaryocytic differentiation.,PTM:Acetylated; can be acetylated on both Lys-274 and Lys-288. Acetylation on Lys-274 (by CBP) appears to be the major site affecting EKLF transactivation activity.,PTM:Phosphorylated primarily on serine residues in the transactivation domain. Phosphorylation on Thr-23 is critical for the transactivation activity.,PTM:Sumoylated; sumoylation, promoted by PIAS1, leads to repression of megakaryocyte differentiation. Also promotes the interaction with the CDH4 subunit of the NuRD repression complex.,simila

Subcellular Location :

Nucleus . Colocalizes with SUMO1 in nuclear speckles. .

Expression :

Expression restricted to adult bone marrow and fetal liver. Not expressed in myeloid nor lymphoid cell lines.

Products Images