

产品名称: NF-E4 (Acetyl Lys43) Rabbit Polyclonal Antibody
产品货号: APRab06229



产品概述 (Summary)

产品名称 (Production Name)	NF-E4 (Acetyl Lys43) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Acetylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NFE4
别名 (Alternative Names)	NFE4; Transcription factor NF-E4
基因 ID (Gene ID)	58160.0
蛋白 ID (SwissProt ID)	Q86UQ8.Synthesized acetyl-peptide derived from the human NF-E4 around the acetylation site of K43.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	19kDa

研究背景 (Background)

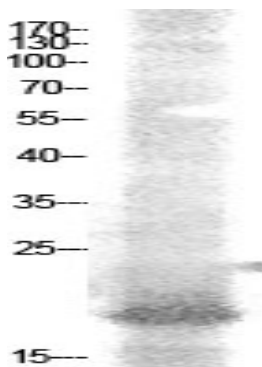
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The erythroid-specific protein encoded by this gene, and the ubiquitous transcription factor CP2, form the stage selector protein (SSP) complex, which is involved in preferential expression of the gamma-globin genes in fetal erythroid cells. Alternate use of an in-frame upstream non-AUG (CUG) translation initiation codon, and a downstream AUG codon, results in two isoforms. While the long isoform (22 kDa) acts as an activator, the short isoform (14 kDa) has been shown to repress gamma-globin gene expression. This gene is located in an intron of the FBXL13 gene on the opposite strand. [provided by RefSeq, Jul 2008],function:Functions as part of the SSP (stage selector protein) complex, a complex that contributes to the preferential expression of the gamma-gene in fetal erythroid cells by facilitating the interaction of the gamma-globin genes with enhancer elements contained in the locus control region (LCR). The complex binds to the stage selector element (SSE) in the proximal gamma-globin promoter. In contrast, isoform 2 acts as a repressor of gamma-globin gene expression by preventing NFE2 and RNA polymerase II recruitment to the promoter.,PTM:Acetylation at Lys-43 prolongs the protein half-life by preventing ubiquitin-mediated degradation and reduces the interaction between NF-E4 and HDAC1, potentially maximizing the activating ability of the factor at the gamma-promoter.,PTM:Ubiquitinated; leading to its degradation by the proteasome. Acetylation at Lys-43 prevents ubiquitination.,sequence caution:Unusual initiator. The initiator methionine is coded by a non-canonical CTG leucine codon.,subunit:Component of the SSP (stage selector protein) complex, which appears to be a heteromer of TFCP2 and 2 copies of NFE4. Interacts with HDAC1 and PCAF. Isoform 2 interacts with TFCP2.,tissue specificity:Specifically expressed in fetal liver, cord blood and bone marrow. Also expressed in the K562 and HEL cell lines, which constitutively express the fetal globin genes.,

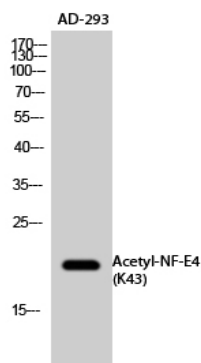
研究领域 (Research Area)

图片 (Image Data)



Western Blot analysis of AD-293 cells using Acetyl-NF-E4 (K43) Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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注意事项 (Note)

For research use only .