10320 Camino Santa Fe, Suite G
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NFE4 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21387c

Specification

NFE4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q86UQ8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**19019**
Antigen Region	**102-136**

NFE4 Antibody (Center) - Additional Information

Other Names
Transcription factor NF-E4, NFE4

Target/Specificity
This NFE4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 102-136 amino acids from the Central region of human NFE4.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NFE4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NFE4 Antibody (Center) - Protein Information

Name NFE4

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.

Cellular Location
Nucleus.

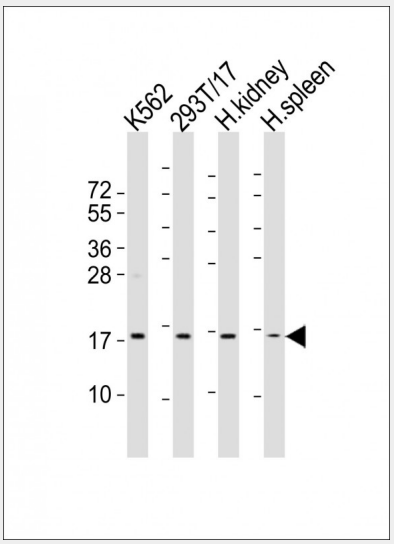
Tissue Location
Specifically expressed in fetal liver, cord blood and bone marrow. Also expressed in the K562 and HEL cell lines, which constitutively express the fetal globin genes

NFE4 Antibody (Center) - 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

NFE4 Antibody (Center) - Images



All lanes : Anti-NFE4 Antibody (Center) at 1:2000 dilution Lane 1: K562 whole cell lysates Lane 2: 293T/17 whole cell lysates Lane 3: human kidney lysates Lane 4: human spleen lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NFE4 Antibody (Center) - Background

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.

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NFE4 Antibody (Center) - References

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Hillier L.W.,et al.Nature 424:157-164(2003).
Zhao Q.,et al.Blood 107:2138-2145(2006).
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