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NFE2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13561b

Specification

NFE2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q16621
Other Accession	NP_001129495.1, NP_006154.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**41473**
Antigen Region	**312-340**

NFE2 Antibody (C-term) - Additional Information

Gene ID 4778

Other Names
Transcription factor NF-E2 45 kDa subunit, Leucine zipper protein NF-E2, Nuclear factor, erythroid-derived 2 45 kDa subunit, p45 NF-E2, NFE2

Target/Specificity
This NFE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 312-340 amino acids from the C-terminal region of human NFE2.

Dilution
WB~~1:1000

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
NFE2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NFE2 Antibody (C-term) - Protein Information

Name NFE2

Function Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic

maturation and differentiation. Binds to the hypersensitive site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1- like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron.

Cellular Location
Nucleus, PML body. Cytoplasm. Note=The sumoylated form locates to the nuclear bodies PML oncogenic domains (PODs) Translocated to the cytoplasm through interaction with ITCH

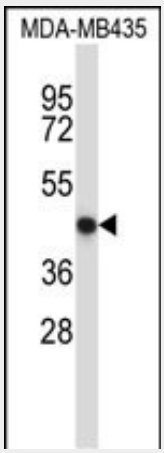
Tissue Location
Expressed in hematopoietic cells and also in colon and testis

NFE2 Antibody (C-term) - 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

NFE2 Antibody (C-term) - Images



NFE2 Antibody (C-term) (Cat. #AP13561b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the NFE2 antibody detected the NFE2 protein (arrow).

NFE2 Antibody (C-term) - Background

Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic maturation and differentiation. Binds to the hypersensitive site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1-like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron.

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NFE2 Antibody (C-term) - References

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Lee, T.L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(1):52-57(2010)
Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009)