

NFE2 Antibody

Rabbit mAb Catalog # AP93137

Specification

NFE2 Antibody - Product Information

Application WB, IHC, ICC, IP

Primary Accession
Clonality
Other Names

O16621

Monoclonal

nfe2; Nuclear factor; p45 NFE2;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 41473 Da

NFE2 Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A IP~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

NFE2

Description 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).

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

NFE2 Antibody - 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.



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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

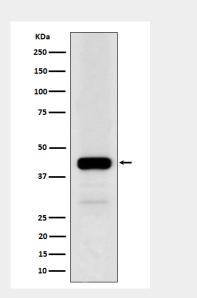
Expressed in hematopoietic cells and also in colon and testis

NFE2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NFE2 Antibody - Images



Western blot analysis of NFE2 expression in K562 cell lysate.