

NFE2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13561b**Specification**

NFE2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q16621](#)

NFE2 Antibody (C-term) Blocking peptide - 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

The synthetic peptide sequence used to generate the antibody AP13561b was selected from the C-term region of NFE2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NFE2 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

NFE2 Antibody (C-term) Blocking peptide - Images

NFE2 Antibody (C-term) Blocking peptide - Background

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NFE2 Antibody (C-term) Blocking peptide - References

Wang, W., et al. Blood 116(2):254-266(2010)Zhou, Z., et al. J. Biol. Chem. 285(21):15894-15905(2010)Motohashi, H., et al. Blood 115(3):677-686(2010)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)