

### **Anti-NFE2 Rabbit Monoclonal Antibody**

**Catalog # ABO16662** 

# **Specification**

# **Anti-NFE2 Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC, IP
Primary Accession Q16621
Host Rabbit
Isotype Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-NFE2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

# **Anti-NFE2 Rabbit Monoclonal Antibody - 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

### **Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human NFE2

### **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## **Anti-NFE2 Rabbit Monoclonal Antibody - Protein Information**

# Name NFE2

#### **Function**

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





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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**

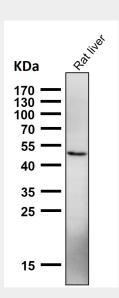
Expressed in hematopoietic cells and also in colon and testis

### **Anti-NFE2 Rabbit Monoclonal Antibody - Protocols**

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

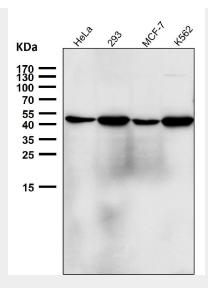
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Anti-NFE2 Rabbit Monoclonal Antibody - Images

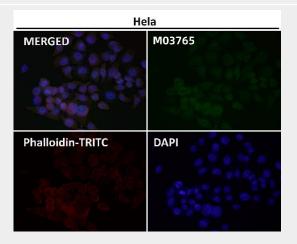


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

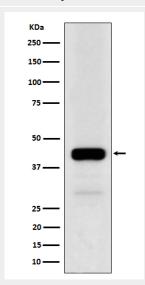




All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Western blot analysis of NFE2 expression in K562 cell lysate.



