

# Anti-NFE2 Rabbit Monoclonal Antibody

Catalog # ABO16662

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IP                                                                                                         |
| <b>Primary Accession</b> | <a href="#">Q16621</a>                                                                                              |
| <b>Host</b>              | Rabbit                                                                                                              |
| <b>Isotype</b>           | Rabbit IgG                                                                                                          |
| <b>Reactivity</b>        | Human                                                                                                               |
| <b>Clonality</b>         | Monoclonal                                                                                                          |
| <b>Format</b>            | Liquid                                                                                                              |
| <b>Description</b>       | Anti-NFE2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human. |

## Additional Information

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|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 4778                                                                                                                                         |
| <b>Other Names</b>                     | Transcription factor NF-E2 45 kDa subunit, Leucine zipper protein NF-E2, Nuclear factor, erythroid-derived 2 45 kDa subunit, p45 NF-E2, NFE2 |
| <b>Calculated MW</b>                   | 41473                                                                                                                                        |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                            |
| <b>Source</b>                          | Eukaryota                                                                                                                                    |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                          |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 31N33<br>A synthesized peptide derived from human NFE2                                                                                |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                      |
| <b>Storage</b>                         | 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.   |

## Protein Information

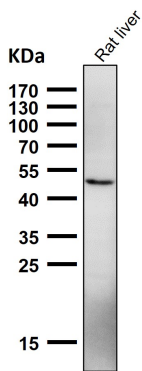
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|                 |                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | NFE2                                                                                                                                             |
| <b>Function</b> | Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic maturation and differentiation. Binds to the hypersensitive |

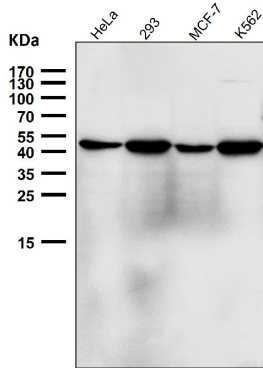
site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1- like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May play a role in all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

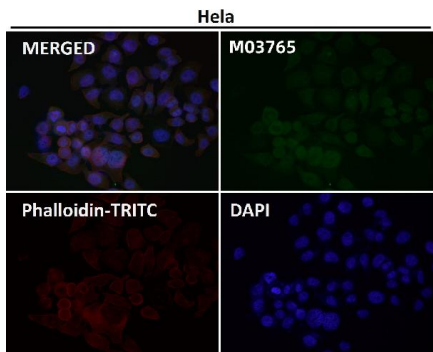
## Images



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

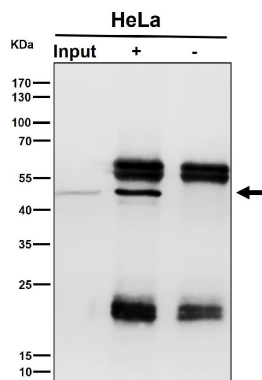
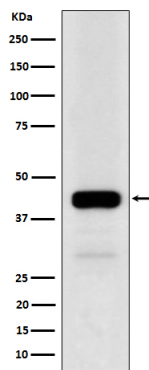


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

Western blot analysis of NFE2 expression in K562 cell lysate.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:1K dilution)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.