

Anti-NFE2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

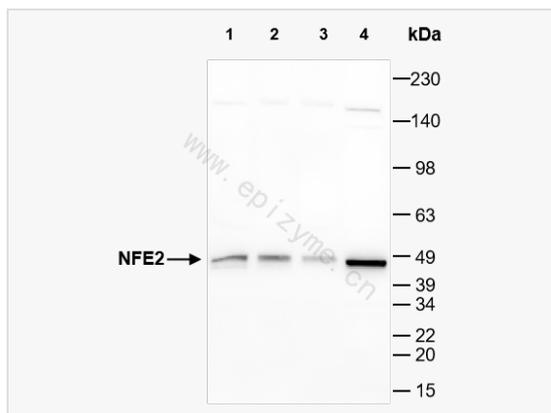
Catalog # R014472

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	48K19I63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NFE2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NFE2 Rabbit mAb [48K19I63] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	erythroid-derived 2 45 kDa subunit, Leucine zipper protein NF-E2, Leucine zipper protein NFE2, NF E2, nfe2, NFE2_HUMAN, Nuclear factor (erythroid derived 2), 45kDa, nuclear factor (erythroid-derived 2), 45kD, Nuclear factor, nuclear factor, erythroid 2, Nuclear factor, erythroid derived 2 45 kDa subunit, p45, p45 NF-E2, p45 NFE2, Transcription factor NF-E2 45 kDa subunit, Transcription factor NFE2 45 kDa subunit.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 45 kDa
Uniprot ID	Q16621
Gene ID	4778
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).
Cellular Location	Nucleus > PML body. Cytoplasm. 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.



Western Blot - Anti-NFE2 Rabbit mAb [48K19I63]

All lanes: R014472 at 1:1,000 dilution

Lane 1: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 2: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 3: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

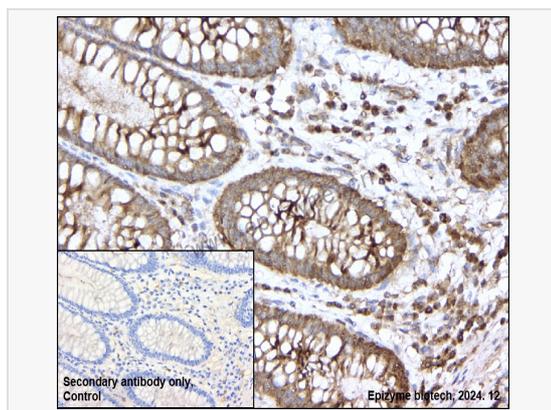
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 41 kDa

Observed band size: 45 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NFE2 Rabbit mAb [48K19I63]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014472 at 1:200 dilution

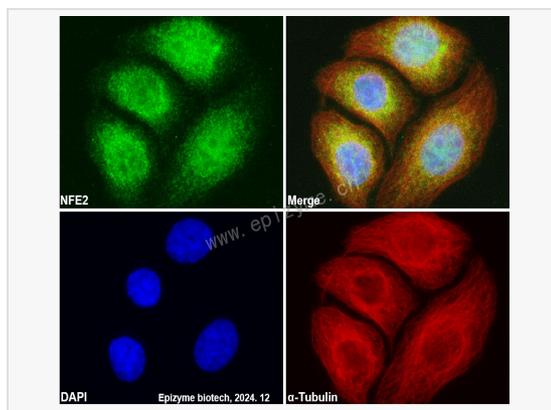
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-NFE2 Rabbit mAb [48K19I63]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5%

Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014472 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).