10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NFE2L3 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19864B

Product Information

Application	WB, E
Primary Accession	Q9Y4A8
Other Accession	NP_004280.5
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41576
Calculated MW	76154
Antigen Region	666-694

Additional Information

Gene ID	9603
Other Names	Nuclear factor erythroid 2-related factor 3, NF-E2-related factor 3, NFE2-related factor 3, Nuclear factor, erythroid derived 2, like 3, NFE2L3, NRF3
Target/Specificity	This NFE2L3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 666-694 amino acids from the C-terminal region of human NFE2L3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NFE2L3 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NFE2L3
Synonyms	NRF3

Function	Activates erythroid-specific, globin gene expression.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978}.
Tissue Location	Highly expressed in human placenta and also in B- cell and monocyte cell lines. Low expression in heart, brain, lung, skeletal muscle, kidney and pancreas.

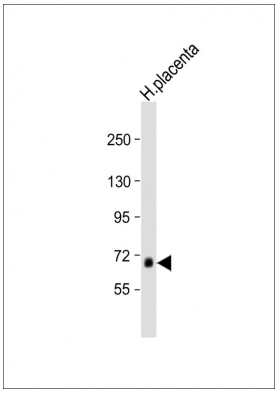
Background

This gene encodes a member of the cap 'n' collar basic-region leucine zipper family of transcription factors. The encoded protein heterodimerizes with small musculoaponeurotic fibrosarcoma factors to bind antioxidant response elements in target genes. This protein is a membrane bound glycoprotein that is targeted to the endoplasmic reticulum and the nuclear envelope. Pseudogenes of this gene are found on chromosomes 16, 17, and 18.

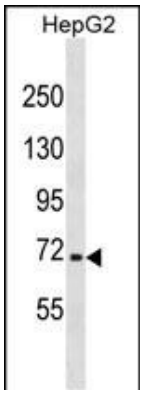
References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Zhang, Y., et al. J. Biol. Chem. 284(5):3195-3210(2009)

Images



Anti-NFE2L3 Antibody (C-term) at 1:1000 dilution + human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NFE2L3 Antibody (C-term) (Cat. #AP19864b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the NFE2L3 antibody detected the NFE2L3 protein (arrow).

Citations

- Emodin induces oxidative stress and Ferroptosis in hepatocellular carcinoma cells through the

miR-4465/NFE2L3/HMGCR/GPX4 signaling axis
- NFE2L3 drives hepatocellular carcinoma cell proliferation by regulating the proteasome-dependent degradation of ISGylated p53
- ALKBH7 mediates necrosis via rewiring of glyoxal metabolism
- NFE2L3 promotes malignant behavior and EMT of human hepatocellular carcinoma (HepG2) cells via Wnt/β catenin pathway

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