

Datasheet for ABIN2777230
anti-NFE2 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	NFE2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFE2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFE2
Sequence:	MSPCPPQQR NRVIQLSTSE LGEMELTWQE IMSITELQGL NAPSEPSFEP
Predicted Reactivity:	Cow: 92%, Guinea Pig: 87%, Horse: 87%, Human: 100%, Mouse: 77%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against NFE2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NFE2
Alternative Name:	NFE2 (NFE2 Products)
Background:	NFE2 is a component of the NF-E2 complex essential for regulating erythroid and

Target Details

megakaryocytic maturation and differentiation. NFE2 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. NFE2 requires MAFK or other small MAF proteins for binding to the NF-E2 motif. NFE2 may play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron.

Alias Symbols: NF-E2, p45

Protein Interaction Partner: BTRC, NFE2L3, NFE2L2, NFE2, ATF4, Dlg4, TXN, ITCH, Yap1, Nedd4, WWP1, MAPK8, KAT2B, SCAND1, SSX5, HMGN1, ELF5, PHYHIP, MAFF, MAFG, PEX14, MAFK, CREBBP,

Protein Size: 373

Molecular Weight: 41 kDa

Gene ID: 4778

NCBI Accession: [NM_006163](#), [NP_006154](#)

UniProt: [Q16621](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 373 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

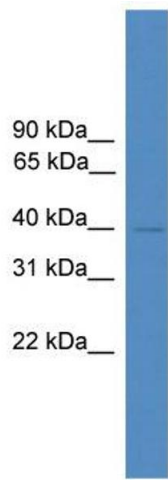
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NFE2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate