Datasheet for ABIN7600550

anti-NFE2 antibody (AA 20-373)

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Overview

Quantity:	100 µg
Target:	NFE2
Binding Specificity:	AA 20-373
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFE2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NFE2 Antibody Picoband®
Immunogen:	E.coli-derived human NFE2 recombinant protein (Position: E20-D373).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NFE2 Antibody Picoband® (ABIN7600550). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NFE2
Alternative Name:	NFE2 (NFE2 Products)
Background:	Synonyms: NAD-dependent protein lipoamidase sirtuin-4, mitochondrial, NAD-dependent ADP-ribosyltransferase sirtuin-4, NAD-dependent protein deacetylase sirtuin-4, Regulatory protein SIR2 homolog 4, SIR2-like protein 4, SIRT4, SIR2L4 Tissue Specificity: Detected in vascular smooth muscle and striated muscle. Detected in insulin-producing beta-cells in pancreas islets of Langerhans (at protein level). Widely expressed. Weakly expressed in leukocytes and fetal thymus. Background: Transcription factor NF-E2 45 kDa subunit is a protein that in humans is encoded by the NFE2 gene. Enables several functions, including WW domain binding activity, identical protein binding activity, and protein N-terminus binding activity. Contributes to cis-regulatory region sequence-specific DNA binding activity. Predicted to be involved in regulation of transcription by RNA polymerase II. Predicted to act upstream of or within several processes, including labyrinthine layer blood vessel development, negative regulation of bone mineralization, and negative regulation of syncytium formation by plasma membrane fusion. Part of protein-DNA complex.
Molecular Weight:	41 kDa
Gene ID:	4778
UniProt:	Q16621

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Bannerman, R. M., Edwards, J. A., Kreimer-Birnbaum, M., McFarland, E., Russell, E. S. Hereditary microcytic anaemia in the mouse, studies in iron distribution and metabolism. Brit. J. Haemat. 23: 235-245, 1972. 2. Chan, J. Y., Cheung, M.-C., Moi, P., Chan, K., Kan, Y. W. Chromosomal localization of the human NF-E2 family of bZIP transcription factors by fluorescence in situ hybridization. Hum. Genet. 95: 265-269, 1995. 3. Chan, J. Y., Han, X.-L., Kan, Y. W. Isolation of cDNA encoding the human NF-E2 protein. Proc. Nat. Acad. Sci. 90: 11366-11370, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.