Datasheet for ABIN7602345

anti-NDUFA2 antibody (AA 7-99)

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Overview

Quantity:	100 µg
Target:	NDUFA2
Binding Specificity:	AA 7-99
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFA2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-NDUFA2 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFA2 recombinant protein (Position: S7-A99).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFA2 Antibody Picoband® (ABIN7602345). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse. 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:	NDUFA2
Alternative Name:	NDUFA2 (NDUFA2 Products)
Background:	Synonyms: Pre T-cell antigen receptor alpha, pT-alpha, pTa, pT-alpha-TCR, PTCRA Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow. Background: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2 is a protein that in humans is encoded by the NDUFA2 gene. The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Alternative splicing results in multiple transcript variants.
Molecular Weight:	14 kDa
Gene ID:	4695
UniProt:	O43678

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Alagia, M., Cappuccio, G., Torella, A., D'Amico, A., Mazio, F., Romano, A., Fecarotta, S., Casari, G., Nigro, V., TUDP, Brunetti-Pierri, N. Cavitating and tigroid-like leukoencephalopathy in a case of NDUFA2-related disorder. JIMD Rep. 52: 11-16, 2020. 2. Dunbar, D. R., Shibasaki, Y., Dobbie, L., Andersson, B., Brookes, A. J. In situ hybridisation mapping of genomic clones for five human respiratory chain complex I genes. Cytogenet. Cell Genet. 78: 21-24, 1997. 3. Emahazion, T., Brookes, A. J. Mapping of the NDUFA2, NDUFA6, NDUFA7, NDUFB8, and NDUFS8 electron transport chain genes by intron based radiation hybrid mapping. Cytogenet. Cell Genet. 82: 114 only, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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.