Datasheet for ABIN7599583

anti-NDUFB7 antibody (AA 1-98)

Go to Product page

Overview

Quantity:	100 µg
Target:	NDUFB7
Binding Specificity:	AA 1-98
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFB7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDUFB7 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFB7 recombinant protein (Position: M1-R98).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NDUFB7 Antibody Picoband® (ABIN7599583). Tested in ELISA, Flow Cytometry, IF, IHC, 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:	NDUFB7
Alternative Name:	NDUFB7 (NDUFB7 Products)
Background:	Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3, Tissue Specificity: Ubiquitous. Highly expressed in brain. . Background: NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7, also known as complex I-B18, is an enzyme that in humans is encoded by the NDUFB7 gene. The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Molecular Weight:	19 kDa
Gene ID:	4713
UniProt:	P17568

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Correia, S. P., Moedas, M. F., Naess, K., Bruhn, H., Maffezzini, C., Calvo-Garrido, J., Lesko, N., Wibom, R., Schober, F. A., Jemt, A., Stranneheim, H., Freyer, C., Wedell, A., Wredenberg, A. Severe congenital lactic acidosis and hypertrophic cardiomyopathy caused by an intronic variant in NDUFB7. Hum. Mutat. 42: 378-384, 2021. 2. Emahazion, T., Beskow, A., Gyllensten, U., Brookes, A. J. Intron based radiation hybrid mapping of 15 complex I genes of the human electron transport chain. Cytogenet. Cell Genet. 82: 115-119, 1998. 3. Loeffen, J. L. C. M., Triepels, R. H., van den Heuvel, L. P., Schuelke, M., Buskens, C. A. F., Smeets, R. J. P., Trijbels, J. M. F., Smeitink, J. A. M. cDNA of eight nuclear encoded subunits of NADH:ubiquinone oxidoreductase: human complex I cDNA characterization completed. Biochem. Biophys. Res. Commun. 253: 415-422, 1998.
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.