Datasheet for ABIN7600507

anti-NDUFB3 antibody (AA 2-54)

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Overview

Quantity:	100 µg
Target:	NDUFB3
Binding Specificity:	AA 2-54
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFB3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDUFB3 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFB3 recombinant protein (Position: A2-M54).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFB3 Antibody Picoband® (ABIN7600507). Tested in ELISA, Flow Cytometry, 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:	NDUFB3
Alternative Name:	NDUFB3 (NDUFB3 Products)
Background:	Synonyms: RNA-binding motif, single-stranded-interacting protein 3, RBMS3 Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas. Background: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa is a protein that in humans is encoded by the NDUFB3 gene. This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is the first enzyme in the electron transport chain of mitochondria. This protein localizes to the inner membrane of the mitochondrion as a single-pass membrane protein. Mutations in this gene contribute to mitochondrial complex 1 deficiency. Alternative splicing results in multiple transcript variants encoding the same protein. Humans have multiple pseudogenes of this gene.
Molecular Weight:	14 kDa
Gene ID:	4709
UniProt:	O43676

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Calvo, S. E., Compton, A. G., Hershman, S. G., Lim, S. C., Lieber, D. S., Tucker, E. J., Laskowski, A., Garone, C., Liu, S., Jaffe, D. B., Christodoulou, J., Fletcher, J. M., Bruno, D. L., Goldblatt, J., DiMauro, S., Thorburn, D. R., Mootha, V. K. Molecular diagnosis of infantile mitochondrial disease with targeted next-generation sequencing. Sci. Transl. Med. 4: 118ra10, 2012. Note: Electronic Article. 2. Haack, T. B., Haberberger, B., Frisch, E.-M., Wieland, T., Iuso, A., Gorza, M., Strecker, V., Graf, E., Mayr, J. A., Herberg, U., Hennermann, J. B., Klopstock, T., and 16 others. Molecular diagnosis in mitochondrial complex I deficiency using exome sequencing. J. Med. Genet. 49: 277-283, 2012. 3. Jensen, L. L., Nielsen, M. M., Justesen, J., Hansen, L. L. Assignment of human NADH dehydrogenase (ubiquinone) 1 beta subcomplex 3 (NDUFB3) and of its four pseudogenes to human chromosomes 2q31.3, 1p13.3-p13.1, 9q32-q34.1, 14q22.3-q23.1 and 14q32.2 by radiation hybrid mapping. Cytogenet. Cell Genet. 93: 147-150, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.