Datasheet for ABIN7598961

anti-NDUFA5 antibody (AA 1-116)

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Overview

Quantity:	100 µg
Target:	NDUFA5
Binding Specificity:	AA 1-116
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-NDUFA5 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFA5 recombinant protein (Position: M1-I116).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFA5 Antibody Picoband® (ABIN7598961). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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:	NDUFA5
Alternative Name:	NDUFA5 (NDUFA5 Products)
Background:	Synonyms: Tudor domain-containing protein 3, TDRD3 Tissue Specificity: Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Background: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 is an enzyme that in humans is encoded by the NDUFA5 gene. This nuclear gene encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. The encoded protein localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16.
Molecular Weight:	16 kDa
Gene ID:	4698
UniProt:	Q16718

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Pata, I., Tensing, K., Metspalu, A. A human cDNA encoding the homologue of NADH:ubiquinone oxidoreductase subunit B13. Biochim. Biophys. Acta 1350: 115-118, 1997. 2. Peralta, S., Torraco, A., Wenz, T., Garcia, S., Diaz, F., Moraes, C. T. Partial complex I deficiency due to the CNS conditional ablation of Ndufa5 results in a mild chronic encephalopathy but no increase in oxidative damage. Hum. Molec. Genet. 23: 1399-1412, 2014. 3. Russell, M. W., du Manoir, S., Collins, F. S., Brody, L. C. Cloning of the human NADH:ubiquinone oxidoreductase subunit B13: localization to chromosome 7q32 and identification of a pseudogene on 11p15. Mammalian Genome 8: 60-61, 1997.
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.