

Datasheet for ABIN7599568
anti-NDUFS6 antibody (AA 1-88)



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Overview

Quantity:	100 µg
Target:	NDUFS6
Binding Specificity:	AA 1-88
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDUFS6 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFS6 recombinant protein (Position: M1-D88).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFS6 Antibody Picoband® (ABIN7599568). Tested in ELISA, Flow Cytometry, IHC, 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:	NDUFS6
Alternative Name:	NDUFS6 (NDUFS6 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] iron-sulfur protein 6, mitochondrial is an enzyme that in humans is encoded by the NDUFS6 gene. This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders.
Molecular Weight:	14 kDa
Gene ID:	4726
UniProt:	075380

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. 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. 2. Kirby, D. M., Salemi, R., Sugiana, C., Ohtake, A., Parry, L., Bell, K. M., Kirk, E. P., Boneh, A., Taylor, R. W., Dahl, H.-H. M., Ryan, M. T., Thorburn, D. R. NDUFS6 mutations are a novel cause of lethal neonatal mitochondrial complex I deficiency. J. Clin. Invest. 114: 837-845, 2004. 3. Loeffen, J., van den Heuvel, L., Smeets, R., Triepels, R., Sengers, R., Trijbels, F., Smeitink, J. cDNA sequence and chromosomal localization of the remaining three human nuclear encoded iron sulphur protein (IP) subunits of complex I: the human IP fraction is completed. Biochem. Biophys. Res. Commun. 247: 751-758, 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 Na ₂ HPO ₄ .
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.