

Datasheet for ABIN7599555
anti-NDUFA4 antibody (AA 1-81)



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Overview

Quantity:	100 µg
Target:	NDUFA4
Binding Specificity:	AA 1-81
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDUFA4 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFA4 recombinant protein (Position: M1-F81).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFA4 Antibody Picoband® (ABIN7599555). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry 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:	NDUFA4
Alternative Name:	NDUFA4 (NDUFA4 Products)
Background:	<p>Synonyms: Interleukin 1 family member 10 ,Interleukin 1 family, member 10 (Predicted) ,Il1f10 ,Il1f10_predicted ,rCG_45898 ,</p> <p>Tissue Specificity: Expressed in fetal skin, spleen and tonsil. Expressed mostly in the basal epithelia of skin and in proliferating B-cells of the tonsil.</p> <p>Background: NDUFA4, mitochondrial complex associated is a protein that in humans is encoded by the NDUFA4 gene. The protein encoded by this gene belongs to the complex I 9 kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. 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.</p>
Molecular Weight:	12 kDa
Gene ID:	4697
UniProt:	O00483

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Zhang, Y. , Ge, M. , Chen, Y. , Yang, Y. , Chen, W. , & Wu, D. , et al. (2022). Ndufa4 promotes cell proliferation by enhancing oxidative phosphorylation in pancreatic adenocarcinoma. Journal of Bioenergetics and Biomembranes, 54(5), 283-291. 2. Xu, W. , Lai, Y. , Pan, Y. , Tan, M. , Ma, Y. , & Sheng, H. , et al. M6a rna methylation-mediated ndufa4 promotes cell proliferation and metabolism in gastric cancer. Cell Death & Disease. 3. Ramzan, R. , Rhiel, A. , Weber, P. , Kadenbach, B. , & Vogt, S. . (2019). Reversible dimerization of cytochrome c oxidase regulates mitochondrial respiration. Mitochondrion, 49.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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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 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.