

Datasheet for ABIN7600812
anti-NDUFAF4 antibody (AA 24-175)



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Overview

Quantity:	100 µg
Target:	NDUFAF4
Binding Specificity:	AA 24-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFAF4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NDUFAF4 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFAF4 recombinant protein (Position: K24-K175).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NDUFAF4 Antibody Picoband® (ABIN7600812). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	NDUFAF4
Alternative Name:	NDUFAF4 (NDUFAF4 Products)
Background:	<p>Synonyms: Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A, TMEM166, SP24</p> <p>Tissue Specificity: Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.</p> <p>Background: NADH:ubiquinone oxidoreductase complex assembly factor 4, (NDUFAF4) also known as Hormone-regulated proliferation-associated protein of 20 kDa, (HRPAP20) or C6orf66 is a protein that in humans is encoded by the NDUFAF4 gene. NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene are a cause of mitochondrial complex I deficiency.</p>
Molecular Weight:	21 kDa
Gene ID:	29078
UniProt:	Q9P032

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>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. Baertling, F., Sanchez-Caballero, L., van den Brand, M. A. M., Wintjes, L. T., Brink, M., van den Brandt, F. A., Wilson, C., Rodenburg, R. J. T., Nijtmans, L. G. J. NDUFAF4 variants are associated with Leigh syndrome and cause a specific mitochondrial complex I assembly defect. <i>Europ. J. Hum. Genet.</i> 25: 1273-1277, 2017. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 2/8/2008. 3. Karp, C. M., Pan, H., Zhang, M., Buckley, D. J., Schuler, L. A., Buckley, A. R. Identification of HRPAP20: a novel phosphoprotein that enhances growth and survival in hormone-responsive tumor cells. <i>Cancer Res.</i> 64: 1016-1025, 2004.</p>
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.