Datasheet for ABIN7601297

# anti-NDUFB5 antibody (AA 32-189)

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## Overview

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| Quantity: | 100 µg |
| Target: | NDUFB5 |
| Binding Specificity: | AA 32-189 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NDUFB5 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-NDUFB5 Antibody Picoband® |
| Immunogen: | E.coli-derived human NDUFB5 recombinant protein (Position: F32-N189). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-NDUFB5 Antibody Picoband® (ABIN7601297). Tested in ELISA, Flow Cytometry, IF, IHC, 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

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| Target: | NDUFB5 |
| Alternative Name: | NDUFB5 (NDUFB5 Products) |
| Background: | Synonyms: Neutrophil defensin 1,Defensin, alpha 1,HNP-1,HP-1,HP1,HP 1-56,Neutrophil defensin 2,HNP-2,HP-2,HP2,DEFA1,DEF1, DEFA2, MRS,DEFA1B,<br>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.<br>Background: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16 kDa is a protein that in humans is encoded by the NDUFB5 gene. The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. 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. Three transcript variants encoding different isoforms have been found for this gene. |
| Molecular Weight: | 22 kDa |
| Gene ID: | 4711 |
| UniProt: | O43674 |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Ton, C., Hwang, D. M., Dempsey, A. A., Liew, C.-C. Identification and primary structure of five human NADH-ubiquinone oxidoreductase subunits. Biochem. Biophys. Res. Commun. 241: 589-594, 1997. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |

## Handling

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| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| 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. |