# Mouse NDUFV2 Monoclonal Antibody | anti-NDUFV2 antibody

NDUFV2 (NADH Dehydrogenase [Ubiquinone] Flavoprotein 2, Mitochondrial, NADH-ubiquinone Oxidoreductase 24kD Subunit) APC

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA24582** | **Mouse** | **Human, Mouse, Rat** | **ELISA, Western Blot** |

## PRODUCT SYNONYMS

NDUFV2; Monoclonal Antibody; NDUFV2 (NADH Dehydrogenase [Ubiquinone] Flavoprotein 2; Mitochondrial; NADH-ubiquinone Oxidoreductase 24kD Subunit) APC; anti-NDUFV2 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 1A10 |
| **Specificity** | Recognizes human NDUFV2. Species Crossreactivity: mouse and rat. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC). |
| **Applicable Applications for anti-NDUFV2 antibody** | ELISA, WB (Western Blot) |
| **Application Notes** | Applications are based on unconjugated antibody. |
| **Immunogen** | Partial recombinant corresponding to aa150-249 from human NDUFV2 (NP_066552) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | EAIQKKLGIKVGETTPDKLFTLIEVECLGACVNAPMVQINDNYYEDLTAKDIEEIIDELKAGKIPKPGPRSGRFSCEPAGGLTSLTEPPKGPGFGVQAGL |
| **Conjugate** | APC |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |

## IMAGES

**WB (Western Blot)**
Western Blot analysis of NDUFV2 expression in transfected 293T cell line by NDUFV2 monoclonal antibody. Lane 1: NDUFV2 transfected lysate (Predicted MW: 27.4kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**
NDUFV2 monoclonal antibody Western Blot analysis of NDUFV2 expression in K-562.

**WB (Western Blot)**
NDUFV2 monoclonal antibody Western Blot analysis of NDUFV2 expression in NIH/3T3.

**WB (Western Blot)**
NDUFV2 monoclonal antibody Western Blot analysis of NDUFV2 expression in Raw 264.7.

**WB (Western Blot)**
NDUFV2 monoclonal antibody Western Blot analysis of NDUFV2 expression in PC-12.

**WB (Western Blot)**
Western Blot detection against Immunogen (36.74kD).

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-NDUFV2 antibody** | Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. |
| **Product Categories/Family for anti-NDUFV2 antibody** | Antibodies; Enzymes; Dehydrogenase |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 222080062 |
| **NCBI GeneID** | 4729 |
| **NCBI Accession #** | NP_066552 |
| **NCBI GenBank Nucleotide #** | NM_021074 |
| **UniProt Accession #** | P19404; Q9BV41 |
| **Molecular Weight** | 26.1 kDa (240aa) confirmed by MALDI-TOF |
| **NCBI Official Full Name** | NADH dehydrogenase |
| **NCBI Official Synonym Full Names** | NADH:ubiquinone oxidoreductase core subunit V2 |
| **NCBI Official Symbol** | NDUFV2 |
| **NCBI Official Synonym Symbols** | CI-24k |
| **NCBI Protein Information** | NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial |
| **UniProt Protein Name** | NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial |
| **UniProt Gene Name** | **NDUFV2** |
| **UniProt Entry Name** | NDUV2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ndufv2-antibody-clone-1a10-western-blot-elisa/24582