# ARG42814
# anti-NDUFB9 antibody

Package: 100 µl
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes NDUFB9 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, ICC/IF, IHC-P, IP, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | NDUFB9 |
| Species | Human |
| Immunogen | Recombinant protein of Human NDUFB9. |
| Conjugation | Un-conjugated |
| Alternate Names | NADH-ubiquinone oxidoreductase B22 subunit; CI-B22; LYR motif-containing protein 3; B22; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9; LYRM3; UQOR22; Complex I-B22 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| FACS | 1:50 |
| ICC/IF | 1:50 |
| IHC-P | 1:50 |
| IP | 1:20 |
| WB | 1:1000 |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | Rat brain |
| Observed Size | ~ 23 kDa |

## Properties

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| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |

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|---|---|
| Concentration | Batch dependent |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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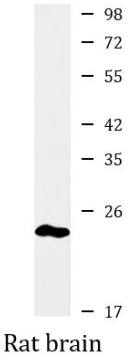
|---|---|
| Gene Symbol | NDUFB9 |
| Gene Full Name | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa |
| Background | The protein encoded by this gene is a subunit of the mitochondrial oxidative phosphorylation complex I (nicotinamide adenine dinucleotide: ubiquinone oxidoreductase). Complex I is localized to the inner mitochondrial membrane and functions to dehydrogenate nicotinamide adenine dinucleotide and to shuttle electrons to coenzyme Q. Complex I deficiency is the most common defect found in oxidative phosphorylation disorders and results in a range of conditions, including lethal neonatal disease, hypertrophic cardiomyopathy, liver disease, and adult-onset neurodegenerative disorders. Pseudogenes of this gene are found on chromosomes five, seven and eight. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015] |
| Function | Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not involved in 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. [UniProt] |
| Calculated Mw | 22 kDa |
| Cellular Localization | Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. [UniProt] |

## Images




ARG42814 anti-NDUFB9 antibody WB image

Western blot: Rat brain lysate stained with ARG42814 anti-NDUFB9 antibody at 1:1000 dilution.