

ARG40618
anti-NDUFA4 antibodyPackage: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes NDUFA4 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | NDUFA4 |
| Species | Human |
| Immunogen | Recombinant fusion protein corresponding to aa. 1-81 of Human NDUFA4 (NP_002480.1). |
| Conjugation | Un-conjugated |
| Alternate Names | Cytochrome c oxidase subunit NDUFA4; Complex I-MLRQ; MLRQ; CI-9k; NADH-ubiquinone oxidoreductase MLRQ subunit; CI-MLRQ |

Application Instructions

| | | |
|-------------------|--|----------------|
| Application table | Application | Dilution |
| | ICC/IF | 1:50 - 1:200 |
| | IHC-P | 1:50 - 1:200 |
| | WB | 1:500 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | U-251MG | |
| Observed Size | 12 kDa | |

Properties

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|---------------------|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| 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. |

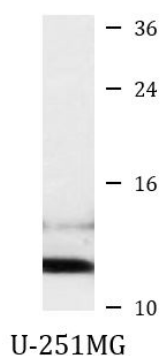
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

| | |
|-----------------------|--|
| Gene Symbol | NDUFA4 |
| Gene Full Name | NDUFA4, mitochondrial complex associated |
| Background | The protein encoded by this gene belongs to the complex I 9kDa 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. [provided by RefSeq, Jul 2008] |
| Function | Cytochrome c oxidase (COX, complex IV) is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. Required for complex IV maintenance. [UniProt] |
| Calculated Mw | 9 kDa |
| Cellular Localization | Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. [UniProt] |

Images



ARG40618 anti-NDUFA4 antibody WB image

Western blot: 25 µg of U-251MG cell lysate stained with ARG40618 anti-NDUFA4 antibody at 1:1000 dilution.