# ARG45239
# anti-NDUFV2 antibody

Package: 50 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Polyclonal antibody recognizes NDUFV2 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Target Name | NDUFV2 |
| Species | Human |
| Immunogen | Recombinant protein containing to human NDUFV2. |
| Conjugation | Un-conjugated |
| Alternate Names | NDUFV2; NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa; NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit; CI-24k; EC 1.6.5.3; EC 1.6.99.3 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| FACS | 1 - 3 µg/10^6 cells |
| IHC-P | 2-5 µg/ml |
| WB | 0.1-0.25 µg/ml |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Observed Size | 27 kDa |

## Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose. |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| 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 or below. 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. |

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

## Bioinformation

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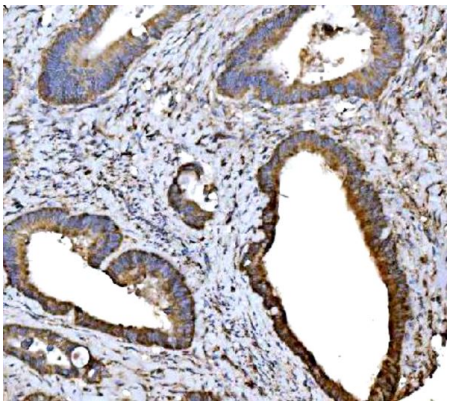
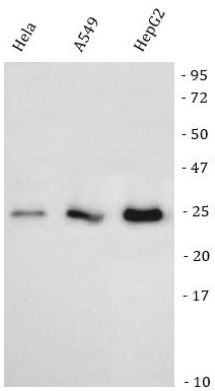
| Gene Symbol | NDUFV2 |
| Gene Full Name | NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa |
| Background | The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19. [provided by RefSeq, Oct 2009] |
| Function | 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 (By similarity). [UniProt] |
| Calculated Mw | 27 kDa |
| PTM | Acetylation ; Phosphoprotein. [UniProt] |
| Cellular Localization | Membrane ; Mitochondrion ; Mitochondrion inner membrane. [UniProt] |

## Images



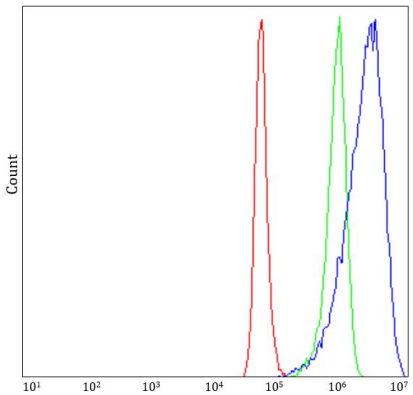
ARG45239 anti-NDUFV2 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG45239 anti-NDUFV2 antibody at 2 µg/ml dilution.



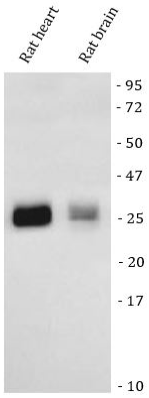

ARG45239 anti-NDUFV2 antibody WB image

Western blot: Hela, A549, and HepG2 stained with ARG45239 anti-NDUFV2 antibody at 0.5 µg/ml dilution.



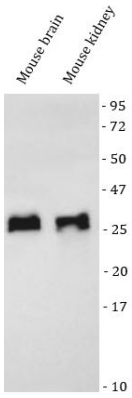

ARG45239 anti-NDUFV2 antibody FACS image

Flow Cytometry: A549 stained with ARG45239 anti-NDUFV2 antibody at 1 µg/10^6 cells dilution.




ARG45239 anti-NDUFV2 antibody WB image

Western blot: Rat heart and rat brain stained with ARG45239 anti-NDUFV2 antibody at 0.5 µg/ml dilution.




ARG45239 anti-NDUFV2 antibody WB image

Western blot: Mouse brain and mouse kidney stained with ARG45239 anti-NDUFV2 antibody at 0.5 µg/ml dilution.