



# NDUFA9 Polyclonal Antibody

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| <b>Catalog No</b>         | BYab-19110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | NDUFA9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Name</b>       | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9 mitochondrial                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human NDUFA9. AA range:87-136                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>        | NDUFA9 Polyclonal Antibody detects endogenous levels of NDUFA9 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>           | NDUFA9; NDUFS2L; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9; mitochondrial; Complex I-39kD; CI-39kD; NADH-ubiquinone oxidoreductase 39 kDa subunit                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Observed Band</b>      | 40kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>       | Mitochondrion matrix .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tissue Specificity</b> | Blood,Colon,Liver,Muscle,Placenta,Skeletal muscle,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>           | cofactor:Binds 1 FAD per subunit.,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.,similarity:Belongs to the complex I NDUFA9 subunit family.,subunit:Complex I is composed of 45 different subunits. This a component of the hydrophobic protein fraction., |

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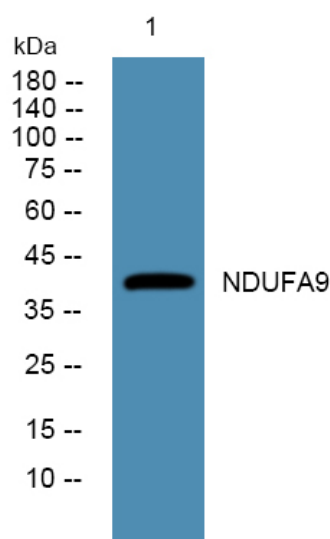
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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background</b>                | The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. A pseudogene has been identified on chromosome 12. [provided by RefSeq, May 2010], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                             |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                                                                |

## Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night