

NDUFS2 Polyclonal Antibody

Catalog NumberPA5-19342

Product data sheet

| Details | | Species Reactivity | |
|--------------------|---|---|-----------------------------|
| Size | 100 µg | Species reactivity | Human, Mouse, Rat |
| Host/Isotope | Goat / IgG | Published species | Mouse, Not Applicable |
| Class | Polyclonal | Tested Applications | |
| Type | Antibody | Western Blot (WB) | Dilution * 0.1-0.3 µg/mL |
| Immunogen | Synthetic peptide sequence (SRGVRQWQPDVE) corresponding to the internal amino acids of NDUFS2 | Published Applications | |
| Conjugate | Unconjugated | Western Blot (WB) | See 1 publications below |
| Form | Liquid | <small>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</small> | |
| Concentration | 0.5 mg/mL | | |
| Purification | Ammonium sulfate precipitation | | |
| Storage buffer | TBS, pH 7.3, with 0.5% BSA | | |
| Contains | 0.02% sodium azide | | |
| Storage Conditions | -20° C, Avoid Freeze/Thaw Cycles | | |

Product specific information

This antibody is predicted to react with bovine, canine, porcine and rabbit based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 16,000.

Background/Target Information

The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase. Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

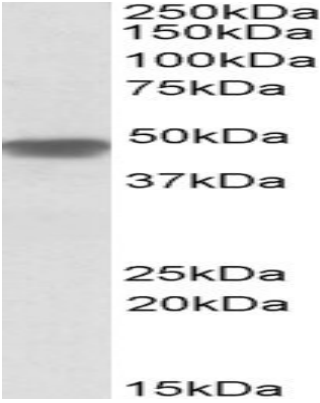
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Product Images For NDUFS2 Polyclonal Antibody



NDUFS2 Antibody (PA5-19342) in WB
Western blot analysis of NDUFS2 using NDUFS2 Polyclonal Antibody (Product # PA5-19342) (0.1 µg/mL) in staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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PubMed References For NDUFS2 Polyclonal Antibody

1 Western Blot References

| Species / Dilution | Summary |
|--------------------|---|
| Mouse / 1:500 | PA519342 was used in western blot to investigate how the interaction between desmin with the alpha beta crystallin contributes to cardiac health |
| | Journal of cell science (2016; 129: 3705) |
| | "Desmin and B-crystallin interplay in the maintenance of mitochondrial homeostasis and cardiomyocyte survival." |
| | Author(s):Diokmetzidou A,Soumaka E,Kloukina I,Tsikitis M,Makridakis M,Varela A,Davos CH,Georgopoulos S,Anesti V, Vlahou A,Capetanaki Y PubMed Article URL: http://dx.doi.org/10.1242/jcs.192203 |

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