

Goat anti-NDUFS2 Antibody

Item Number	dAP-2136
Target Molecule	Principle Name: NDUFS2; Official Symbol: NDUFS2; All Names and Symbols: NDUFS2; NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe-S protein 2; NADH-ubiquinone oxidoreductase NDUFS2 subunit; complex 1, mitochondrial respiratory chain, 49-KD subunit; Accession Number (s): NP_004541.1; NP_001159631.1; Human Gene ID (s): 4720; Non-Human GeneID(s): 226646 (mouse) 289218 (rat)
Immunogen	SRGVRQWQPDVE, is from internal region This antibody is expected to recognize both reported isoforms (NP_004541.1; NP_001159631.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 48kDa band observed in Human, Mouse and Rat Heart lysates (calculated MW of 51.9kDa according to NP_001159631.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Saada A, Vogel RO, Hoefs SJ, van den Brand MA, Wessels HJ, Willems PH, Venselaar H, Shaag A, Barghuti F, Reish O, Shohat M, Huynen MA, Smeitink JA, van den Heuvel LP, Nijtmans LG, Mutations in NDUFAF3 (C3ORF60), encoding an NDUFAF4 (C6ORF66)-interacting complex I assembly

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**