

## Goat anti-NDUFA7 Antibody

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| <b>Item Number</b>     | dAP-2696   |
| <b>Target Molecule</b> | Principle Name: NDUFA7; Official Symbol: NDUFA7; All Names and Symbols: NDUFA7; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa; B14.5a; CI-B14.5a; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7; NADH-ubiquinone oxidoreductase subunit B14.5a; complex I B14.5a subunit; Accession Number (s): NP_004992.2; Human Gene ID(s): 4701; Non-Human GeneID(s): 66416 (mouse) 299643 (rat) |
| <b>Immunogen</b>       | PKLPVGPSHKLSNN, is from internal region  |
| <b>Applications</b>    | Pep ELISA, WB, IHC<br>Species Tested: Human, Mouse, Rat, Pig   |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.  |
| <b>Western Blot</b>    | Western Blot: Approx 15kDa band observed in Human, Mouse, Rat and Pig Heart lysates (calculated MW of 12.6kDa according to NP_004992.2). Recommended concentration: 0.03-0.1µg/ml.   |
| <b>IHC</b>             | Immunohistochemistry: In paraffin embedded Human Heart shows mitochondrial staining in cardial fibres. Recommended concentration, 4-8µg/ml.  |

**Reference** Reference(s): Hendrickson SL, Lautenberger JA, Chinn LW, Malasky M, Sezgin E, Kingsley LA, Goedert JJ, Kirk GD, Gomperts ED, Buchbinder SP, Troyer JL, O'Brien SJ. Genetic variants in nuclear-encoded mitochondrial genes influence AIDS progression. PLoS One. 2010 Sep 21;5(9):e12862..PMID: 20877624->

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 ender users! This product is sold for **Research Use Only**