

Datasheet for ABIN1049506  
**anti-NDUFA7 antibody (Internal Region)**

## 3 Images

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## Overview

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Quantity:            | 100 µg                                                   |
| Target:              | NDUFA7                                                   |
| Binding Specificity: | Internal Region                                          |
| Reactivity:          | Human, Mouse, Rat, Pig                                   |
| Host:                | Goat                                                     |
| Clonality:           | Polyclonal                                               |
| Conjugate:           | This NDUFA7 antibody is un-conjugated                    |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | NDUFA7                                                                                                                                |
| Immunogen:        | Peptide with sequence C-PKLPVGPSHKLSNN, from the of the protein sequence according to NP_004992.2.                                    |
| Sequence:         | PKLPVGPSHK LSNN                                                                                                                       |
| Isotype:          | IgG                                                                                                                                   |
| Cross-Reactivity: | Cow, Human, Mouse, Pig, Rat                                                                                                           |
| Purification:     | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade:            | Verified                                                                                                                              |

## Target Details

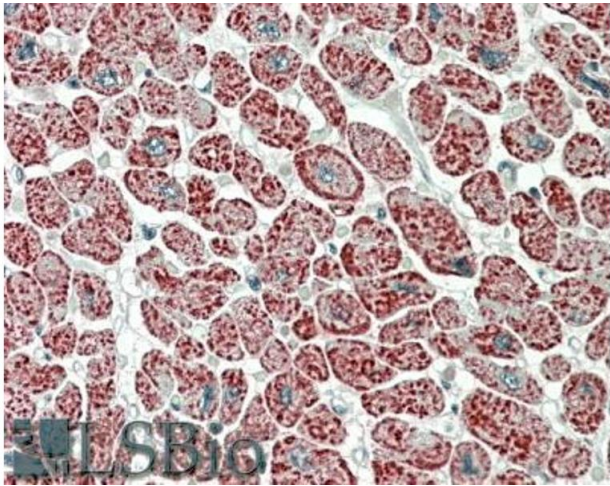
|                   |                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | NDUFA7                                                                                                                                                                                                                            |
| Alternative Name: | NDUFA7 ( <a href="#">NDUFA7 Products</a> )                                                                                                                                                                                        |
| Background:       | NDUFA7, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5 kDa, B14.5a, CI-B14.5a, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7, NADH-ubiquinone oxidoreductase subunit B14.5a, complex I B14.5a subunit |
| Gene ID:          | 4701, 66416, 299643                                                                                                                                                                                                               |
| NCBI Accession:   | <a href="#">NP_004992</a>                                                                                                                                                                                                         |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Immunohistochemistry: In paraffin embedded Human Heart shows mitochondrial staining in cardial fibres. Recommended concentration: 4-8 µg/mL.</p> <p>Western Blot: Approx 15 kDa band observed in Human, Mouse, Rat and Pig Heart lysates (calculated MW of 12.6 kDa according to NP_004992.2). Recommended concentration: 0.03-0.1 µg/mL. Primary incubation was 1 hour.</p> <p>Peptide ELISA: antibody detection limit dilution 1:128000.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Handling

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                         |
| Concentration:     | 0.5 mg/mL                                                                                                                                      |
| Buffer:            | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.                                             |
| Preservative:      | Sodium azide                                                                                                                                   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                         |
| Handling Advice:   | Minimize freezing and thawing.                                                                                                                 |
| Storage:           | -20 °C                                                                                                                                         |
| Storage Comment:   | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



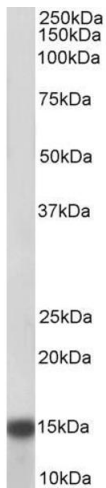
### Immunohistochemistry

**Image 1.** ABIN1049506 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



### Western Blotting

**Image 2.** ABIN1049506 (0.1µg/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



### Western Blotting

**Image 3.** ABIN1049506 (0.1µg/ml) staining of Pig Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.