

### **International Office**

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# EB11683 - Goat Anti-NDUFA7 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** B14.5a, CI-B14.5a, complex I B14.5a subunit, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7, NADH-ubiquinone oxidoreductase subunit B14.5a, NDUFA7

Official Symbol: NDUFA7

Accession Number(s): NP\_004992.2

Human GeneID(s): 4701

Non-Human GenelD(s): 66416 (mouse), 299643 (rat)

## **Immunogen**

Peptide with sequence C-PKLPVGPSHKLSNN, from the internal region of the protein sequence according to NP\_004992.2.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

**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. Primary incubation was 1 hour.

IHC: In paraffin embedded Human Heart shows mitochondrial staining in cardial fibres. Recommended concentration: 4-8µg/ml.

#### **Species Reactivity**

Tested: Human, Mouse, Rat, Pig

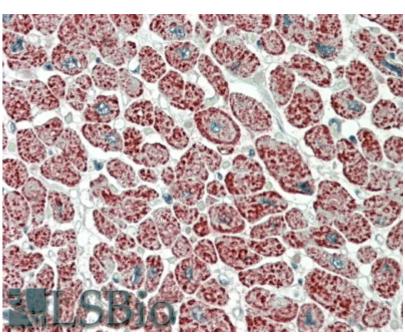
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



EB11683 (0.1μg/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35μg protein in RIPA buffer). Detected by chemiluminescence.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

 $EB11683\ (0.1\mu\text{g/ml})\ staining\ of\ Pig\ Heart\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$ 



EB11683 (5μg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.