

## NDUFS7 rabbit pAb

Cat No.: ES5989

For research use only

## Overview

Product Name NDUFS7 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Mouse; Rat

**Recommended dilutions** Immunohistochemistry: 1/100 - 1/300. ELISA:

1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human NDUFS7. AA

range:164-213

Specificity NDUFS7 Polyclonal Antibody detects endogenous

levels of NDUFS7 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name NADH dehydrogenase [ubiquinone] iron-sulfur

protein 7 mitochondrial

Gene Name NDUFS7

Cellular localization Mitochondrion inner membrane; Peripheral

membrane protein; Matrix side.

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 374291 Human Swiss-Prot Number 075251

Alternative Names NDUFS7; NADH dehydrogenase [ubiquinone]

iron-sulfur protein 7; mitochondrial; Complex I-20kD; CI-20kD; NADH-ubiquinone oxidoreductase

20 kDa subunit; PSST subunit

**Background** This gene encodes a protein that is a subunit of one

of the complexes that forms the mitochondrial

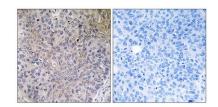


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respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions. [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using NDUFS7 Antibody. The picture on the right is blocked with the synthesized peptide.



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