

Datasheet for ABIN2856074  
**anti-NDUFS1 antibody (Center)**

4 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	NDUFS1
Binding Specificity:	Center
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human NDUFS1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Cross-Reactivity (Details):	Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to NDUFS1 (NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75 kDa (NADH-coenzyme Q reductase)) NDUFS1 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	NDUFS1
Alternative Name:	NDUFS1 ( <a href="#">NDUFS1 Products</a> )
Background:	<p>The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency.</p> <p>Cellular Localization: Mitochondrion inner membrane</p>
Molecular Weight:	79 kDa
Gene ID:	4719

## Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:10000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:10000*
Comment:	Positive Control: HepG2 , mouse brain , rat brain
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

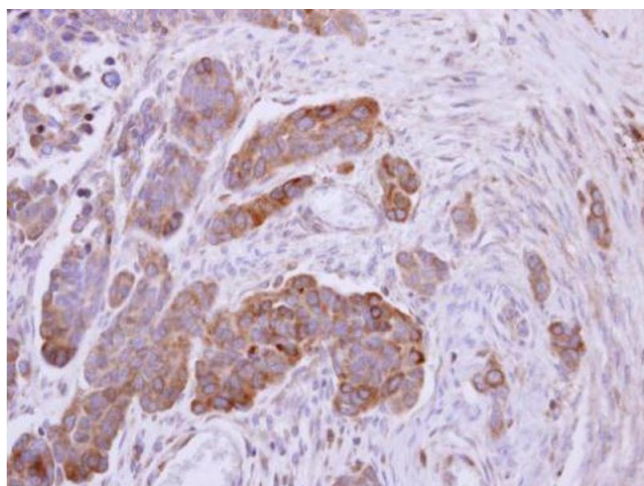
## Handling

Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

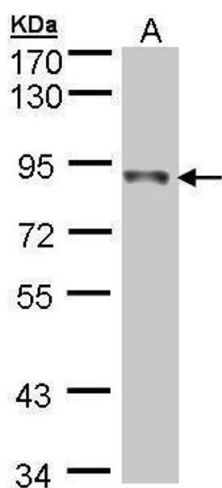
Product cited in: Shirozu, Iwano, Ogiso, Suzuki, Balboula, Bai, Kawahara, Kimura, Takahashi, Rulan, Kim, Yanagawa, Nagano, Imakawa, Takahashi: "Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium." in: **The Journal of reproduction and development**, Vol. 63, Issue 3, pp. 211-220, (2018) ([PubMed](#)).

## Images



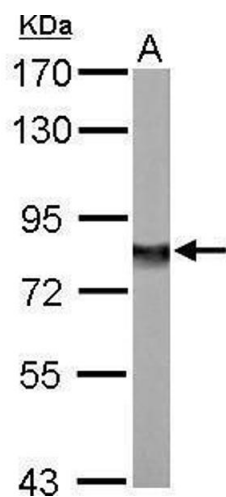
### Immunohistochemistry

**Image 1.** IHC-P Image NDUF51 antibody detects NDUF51 protein at mitochondria on human ovarian carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded ovarian carcinoma. NDUF51 antibody , dilution: 1:250.



### Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 7.5% SDS PAGE antibody diluted at 1:1500

**Western Blotting**

**Image 3.** WB Image NDUF51 antibody detects NDUF51 protein by Western blot analysis. A. 50 µg rat brain lysate/extract 7.5 % SDS-PAGE NDUF51 antibody , dilution: 1:500

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856074.