

Datasheet for ABIN2782176  
**anti-NDUFB5 antibody (Middle Region)**[Go to Product page](#)

1 Image

1 Publication

## Overview

Quantity:	100 µL
Target:	NDUFB5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Zebrafish (Danio rerio), Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFB5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NDUFB5
Sequence:	KLLRFYIALT GIPVAIFITL VNVFIGQAEL AEIPEGYVPE HWEYYKHPIS
Predicted Reactivity:	Cow: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 86%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against NDUFB5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	NDUFB5
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## Target Details

Alternative Name:	NDUFB5 ( <a href="#">NDUFB5 Products</a> )
Background:	<p>NDUFB5 is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). 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. The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). 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.</p> <p>Alias Symbols: CI-SGDH, DKFZp686N02262, FLJ30597, MGC111204, MGC12314, SGDh, CISGDH</p> <p>Protein Interaction Partner: UBC, NDUFS4, NDUFS1, NDUFB9, MPV17, ICT1, DLD, ATP5F1, NDUFS7, MARCKSL1, MRPS26, MSLN, LAMTOR3, SLC25A3,</p> <p>Protein Size: 189</p>
Molecular Weight:	17 kDa
Gene ID:	4711
NCBI Accession:	<a href="#">NM_002492</a> , <a href="#">NP_002483</a>
UniProt:	<a href="#">O43674</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 189 AA
Restrictions:	For Research Use only

## Handling

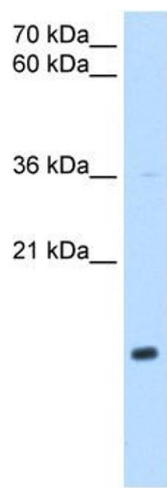
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

## Handling

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:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

- Product cited in:
- Wanitchakool, Ousingsawat, Sirianant, Cabrita, Faria, Schreiber, Kunzelmann: "Cellular defects by deletion of ANO10 are due to deregulated local calcium signaling." in: **Cellular signalling**, Vol. 30, pp. 41-49, (2016) ([PubMed](#)).
- Schreiber, Kunzelmann: "Expression of anoctamins in retinal pigment epithelium (RPE)." in: **Pflügers Archiv : European journal of physiology**, Vol. 468, Issue 11-12, pp. 1921-1929, (2016) ([PubMed](#)).
- Hammer, Wanitchakool, Sirianant, Papiol, Monnheim, Faria, Ousingsawat, Schramek, Schmitt, Margos, Michel, Kraiczy, Pawlita, Schreiber, Schulz, Fingerle, Tumani, Ehrenreich, Kunzelmann: "A Coding Variant of ANO10, Affecting Volume Regulation of Macrophages, Is Associated with Borrelia Seropositivity." in: **Molecular medicine (Cambridge, Mass.)**, Vol. 21, pp. 26-37, (2015) ([PubMed](#)).
- Tian, Schreiber, Kunzelmann: "Anoctamins are a family of Ca<sup>2+</sup>-activated Cl<sup>-</sup> channels." in: **Journal of cell science**, Vol. 125, Issue Pt 21, pp. 4991-8, (2013) ([PubMed](#)).



Western Blotting

**Image 1.** WB Suggested Anti-NDUFB5 Antibody Titration:  
0.2-1 ug/ml Positive Control: HepG2 cell lysate