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## Datasheet for ABIN1881573 anti-NDUFV1 antibody (N-Term)

1 Image

3 Publications



#### Overview

Quantity:	400 µL
Target:	NDUFV1
Binding Specificity:	AA 21-50, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This NDUFV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human NDUFV1.
Clone:	RB40529

lsotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	NDUFV1
Alternative Name:	NDUFV1 (NDUFV1 Products)
Background:	The mitochondrial respiratory chain provides energy to cells via oxidative phosphorylation and

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distinct isoforms.
disease and Leigh syndrome. Alternative splicing results in multiple transcript variants encoding
myopathies, encephalomyopathies, and neurodegenerative disorders such as Parkinson's
occurs in approximately 1 in 10,000 live births. Mitochondrial complex I deficiency is linked to
Defects in complex I are a common cause of mitochondrial dysfunction, a syndrome that
carries the NADH-binding site as well as flavin mononucleotide (FMN)- and Fe-S-biding sites.
subunits that liberates electrons from NADH and channels them to ubiquinone. This subunit
oxidoreductase complex I, a large complex with at least 45 nuclear and mitochondrial encoded
synthase (complex V). This gene encodes a 51 kDa subunit of the NADH:ubiquinone
consists of four membrane-bound electron-transporting protein complexes (I-IV) and an ATP

Molecular Weight:	50817
NCBI Accession:	NP_001159574, NP_009034
UniProt:	P49821

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

#### Publications

	protein oligomers in cells." in: Journal of cellular and molecular medicine, Vol. 15, Issue 10, pp.
	Chiti, Cecchi: "A comparison of the biochemical modifications caused by toxic and non-toxic
Product cited in:	Zampagni, Cascella, Casamenti, Grossi, Evangelisti, Wright, Becatti, Liguri, Mannini, Campioni,

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Liao, Lasbury, Wang, Zhang, Durant, Murakami, Matsufuji, Lee: "Pneumocystis mediates overexpression of antizyme inhibitor resulting in increased polyamine levels and apoptosis in alveolar macrophages." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 8174-84, (2009) (PubMed).

Images



#### Western Blotting

**Image 1.** NDUFV1 Antibody (N-term) (ABIN1881573 and ABIN2838395) western blot analysis in MDA-M cell line lysates (35 µg/lane).This demonstrates the NDUFV1 antibody detected the NDUFV1 protein (arrow).

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