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## Datasheet for ABIN751768 **anti-NDUFS4 antibody (AA 101-175)**

### Overview

Quantity:	100 µL
Target:	NDUFS4
Binding Specificity:	AA 101-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NDUFS4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	NDUFS4
Alternative Name:	NDUFS4 ( <a href="#">NDUFS4 Products</a> )

## Target Details

Background:	<p>Synonyms: AQDQ, CI 18 kDa, CI AQDQ, Complex I 18 kDa, Complex I AQDQ, mitochondrial respiratory chain complex I 18 KD subunit, NADH dehydrogenase, NADH ubiquinone oxidoreductase 18 kDa subunit, NDUS4_HUMAN.</p> <p>Background: This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes. [provided by RefSeq, Jul 2008].</p>
Gene ID:	4724

## Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months