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Datasheet for ABIN2782353

anti-NDUFV3 antibody (Middle Region)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	NDUFV3
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Guinea Pig, Horse, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFV3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NDUFV3
Sequence:	PAPVPAEPFD NTTYKNLQHH DYSTYTFDL NLELSKFRMP QPSSGRESR
Predicted Reactivity:	Cow: 100%, Dog: 92%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rat: 86%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against NDUFV3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NDUFV3
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Target Details

Alternative Name:	NDUFV3 (NDUFV3 Products)
Background:	<p>The protein encoded by this gene is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and</p> <p>Alias Symbols: CI-9KD, CI-10k</p> <p>Protein Interaction Partner: SLC25A3, NDUFV2, NDUFS1, ILF3, SLC25A6, UBC, PHYHIP,</p> <p>Protein Size: 473</p>
Molecular Weight:	47 kDa
Gene ID:	4731
NCBI Accession:	NM_021075 , NP_066553

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 473 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.
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:

Rayegan, Dehpour, Sharifi: "Studying neuroprotective effect of Atorvastatin as a small molecule drug on high glucose-induced neurotoxicity in undifferentiated PC12 cells: role of NADPH oxidase." in: **Metabolic brain disease**, Vol. 32, Issue 1, pp. 41-49, (2016) ([PubMed](#)).

Kuwano, Kawahara, Yamamoto, Teshima-Kondo, Tominaga, Masuda, Kishi, Morita, Rokutan: " Interferon-gamma activates transcription of NADPH oxidase 1 gene and upregulates production of superoxide anion by human large intestinal epithelial cells." in: **American journal of physiology. Cell physiology**, Vol. 290, Issue 2, pp. C433-43, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-NDUFV3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HT1080 cell lysate

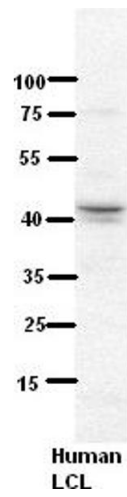


(ARP45758_P050) N6AMT1

Western Blot
Human LCL
Dilution: 1 to 500
5% Milk
Application data in forum

Submitted by:
Katheleen Gardiner
University of Colorado Denver

Image 2.



Western Blotting

Image 3. WB Suggested Anti-NDUFV3 Antibody Titration:
5% Milk ELISA Titer: dilution: 1:500 Positive Control: Human
LCL