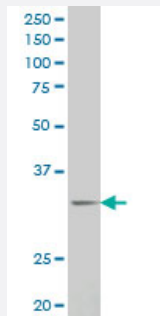


ND1 polyclonal antibody (A01)

Catalog # H00004535-A01

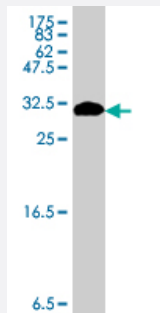
Size 50 uL

Applications



Western Blot (Cell lysate)

ND1 polyclonal antibody (A01), Lot # NIH48060209QCS1 Western Blot analysis of ND1 expression in HepG2 (Cat # L019V1).



Western Blot detection against Immunogen (31.72 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ND1.
Immunogen	ND1 (YP_003024026, 21 a.a. ~ 71 a.a) partial recombinant protein with GST tag.
Sequence	MLTERKILGYQLRKGPNVVGPYGLLQPFADAIKLFTKEPLKPATSTITLY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (72)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (31.72 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ND1 polyclonal antibody (A01), Lot # NIH48060209QCS1 Western Blot analysis of ND1 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ND1

Entrez GeneID

[4535](#)

GeneBank Accession#

[NC_012920.1](#)

Protein Accession#

[YP_003024026](#)

Gene Name

ND1

Gene Alias

MTND1

Gene Description

NADH dehydrogenase, subunit 1 (complex I)

Gene Ontology

[Hyperlink](#)

Gene Summary

NADH dehydrogenase subunit 1

Other Designations

NADH dehydrogenase subunit 1

Publication Reference

- [Exercise Intolerance and Myoglobinuria Associated with a Novel Maternally Inherited MT-ND1 Mutation.](#)

Rafiq J, Duno M, Ostergaard E, Ravn K, Vissing CR, Wibrand F, Vissing J.

JIMD Reports 2016 Jan; 25:65.

Application: WB, Human, Muscles

- [Changes in mitochondrial energy utilization in young and old worker honeybees \(Apis mellifera\).](#)

Chuang YL, Hsu CY.

Age 2013 Oct; 35(5):1867.

Application: WB-Ce, Honeybees, Trophocytes, Fat cells

- [Defective DNA Replication Impairs Mitochondrial Biogenesis In Human Failing Hearts.](#)

Karamanlidis G, Nascimben L, Couper GS, Shekar PS, Del Monte F, Tian R.

Circulation Research 2010 May; 106(9):1541.

Application: WB-Ti, Human, Human hearts

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Ataxia](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease](#)

- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Huntington disease](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Leber hereditary optic neuropathy](#)
- [Long QT syndrome](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Optic Atrophy](#)
- [Parkinson disease](#)
- [Peripheral Nervous System Diseases](#)
- [Premature Birth](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)
- [Sudden Infant Death](#)
- [Wounds and Injuries](#)