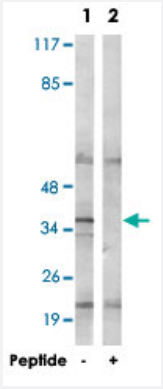
MT-ND1 polyclonal antibody

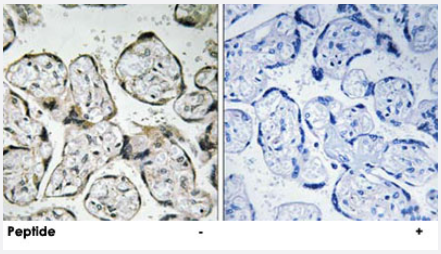
Catalog # PAB17790 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using MT-ND1 polyclonal antibody (Cat # PAB17790).
Peptide "+" means "with peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human placenta tissue using MT-ND1 polyclonal antibody (Cat # PAB17790).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MT-ND1.
Immunogen	A synthetic peptide corresponding to internal of human MT-ND1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total MT-ND1 protein.
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from Jurkat cells, using MT-ND1 polyclonal antibody (Cat # PAB17790).
  Peptide "+" means "with peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded human placenta tissue using MT-ND1 polyclonal antibody (Cat # PAB17790).
  Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ND1

Entrez GeneID	4535
Protein Accession#	P03886
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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Publication Reference

- An innovative strategy to clone positive modifier genes of defects caused by mtDNA mutations: MRPS18C as suppressor gene of m.3946G>A mutation in MT-ND1 gene.

  Rodríguez-García ME, Cotrina-Vinagre FJ, Carnicero-Rodríguez P, Martínez-Azorín F.

  Human Genetics 2017 Jul; 136(7):885.

  Application: WB, Human, Fibroblasts from patient infected with Adeno-MRPS18C

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.