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## anti-MT-ND1 antibody

3 Images



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#### Overview

Quantity:	200 μL
Target:	MT-ND1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ND1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Synthetic peptide of human MT-ND1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	MT-ND1
Alternative Name:	MT-ND1 (MT-ND1 Products)
Background:	NADH:ubiquinone oxidoreductase (complex I) is an extremely complicated multiprotein complex located in the inner mitochondrial membrane. Human complex I is important for energy metabolism because its main function is to transport electrons from NADH to ubiquinone, which is accompanied by translocation of protons from the mitochondrial matrix to

the intermembrane space. Human complex I appears to consist of 41 subunits. A small number of complex I subunits are the products of mitochondrial genes (subunits 1-7), while the remainder are nuclear encoded and imported from the cytoplasm. NADH dehydrogenase subunit 1 (ND1) binds rotenone and rotenone analogs and might be involved in electron transfer to ubiquinone. Mutations in the ND1 gene may be implicated in several disorders, including Leber hereditary optic neuropathy, Alzheimer disease, and Parkinson disease.

Molecular Weight: 36 kDa

NCBI Accession: YP\_003024026

Application Details

Application Notes: WB 1:200-1:1000, IHC 1:50-1:200

P03886

Restrictions: For Research Use only

Handling

UniProt:

Format:

Liquid

Concentration:

1 mg/mL

Buffer:

PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4

Preservative:

Sodium azide

Precaution of Use:

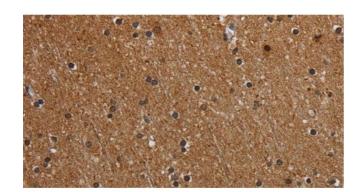
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C

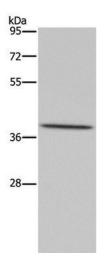
Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.



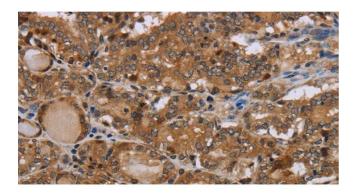
## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human brain using MT-ND1 Polyclonal Antibody at dilution of 1:50



#### **Western Blotting**

**Image 2.** Western Blot analysis of Hela cell using MT-ND1 Polyclonal Antibody at dilution of 1:450



## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Immunohistochemistry of paraffin-embedded Human thyroid cancer using MT-ND1 Polyclonal Antibody at dilution of 1:50