

Datasheet for ABIN6263412  
**anti-MT-ND4L antibody**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	MT-ND4L
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ND4L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthesized peptide derived from human MT-ND4L
Isotype:	IgG
Specificity:	MT-ND4L Antibody detects endogenous levels of total MT-ND4L
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	MT-ND4L
Alternative Name:	MT-ND4L ( <a href="#">MT-ND4L Products</a> )
Background:	Description: Core subunit of the mitochondrial membrane respiratory chain NADH

## Target Details

dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).  
Gene: MT-ND4L

Molecular Weight: 11 kDa

Gene ID: 4539

UniProt: [P03901](#)

## Application Details

Application Notes: WB 1:1000-3000 IHC 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

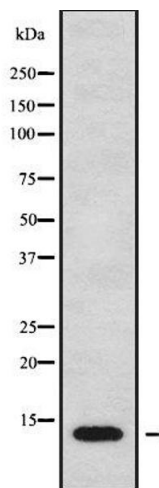
Preservative: Sodium azide

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

Storage: -20 °C

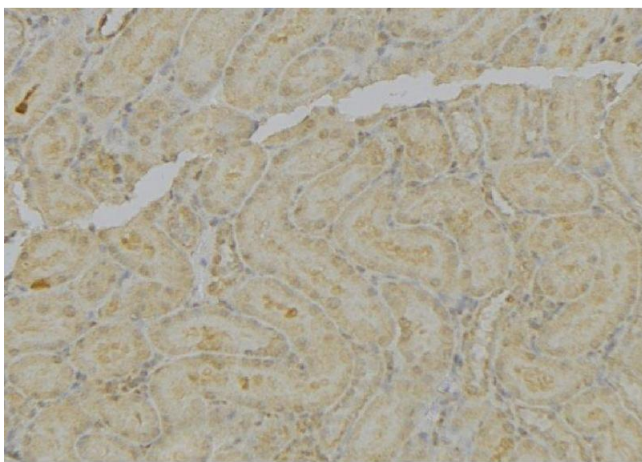
Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



### Western Blotting

**Image 1.** Western blot analysis of MT-ND4L using MCF7 whole cell lysates



### Immunohistochemistry

**Image 2.** ABIN6279587 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary