

Datasheet for ABIN7191523

**anti-MT-ND3 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	MT-ND3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ND3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Synthetic peptide of Human MT-ND3
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen affinity purification

## Target Details

Target:	MT-ND3
Alternative Name:	MT-ND3 ( <a href="#">MT-ND3 Products</a> )
Background:	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 trans-location of protons from the

## Target Details

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 3 (ND3) localizes to the hydrophobic protein fragment of complex I. Mutations in the gene encoding for ND3 may be associated with Parkinson disease. Aliases: MT-ND3 antibody, MTND3 antibody, NADH3 antibody, ND3NADH-ubiquinone oxidoreductase chain 3 antibody, EC 7.1.1.2 antibody, NADH dehydrogenase subunit 3 antibody

UniProt: [P03897](#)

## Application Details

Application Notes: ELISA:1:1000-1:2000, IHC:1:25-1:100,

Restrictions: For Research Use only

## Handling

Format: Liquid

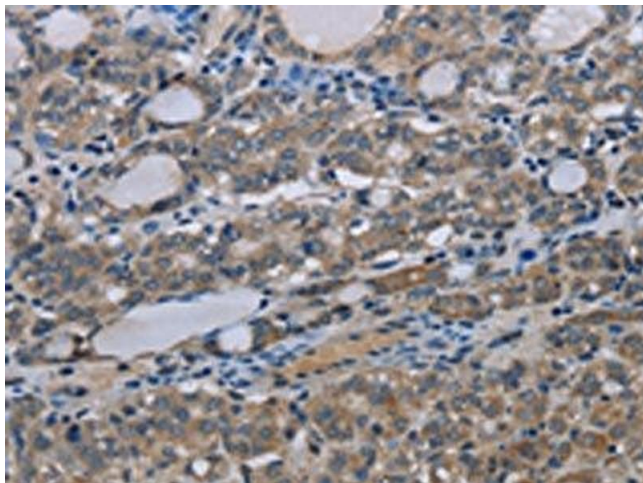
Buffer: -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol

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, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABIN7191523(MT-ND3 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)