

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **MT-ND3 RABBIT PAB**

Cat.#: S220726

Product Name: Anti-MT-ND3 Rabbit Polyclonal Antibody

Synonyms: MTND3; ND3

**UNIPROT ID:** P03897 (Gene Accession - YP\_003024033)

**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 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 encodiing for

ND3 may be associated with Parkinson disease.

**Immunogen:** Synthetic peptide of human MT-ND3

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 1000-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

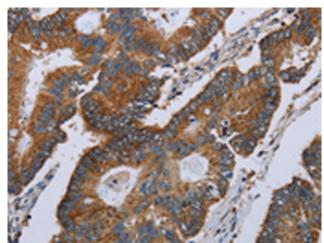
Research Areas: Metabolism

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

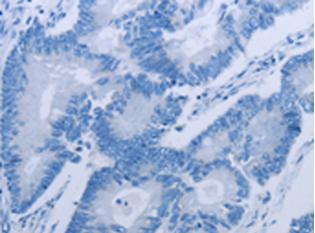


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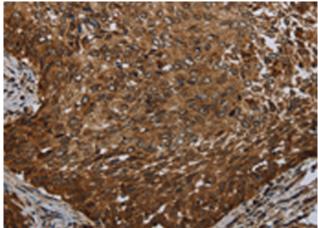
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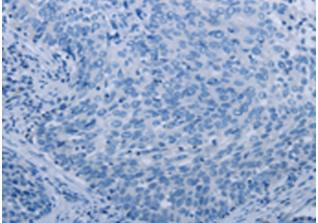
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 220726(MT-ND3 Antibody) at a dilution of 1/20(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the synthetic peptide and then with 220726(Anti-MT-ND3 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human cervical cancer tissue using 220726(Anti-MT-ND3 Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D261928(Anti-MT-ND3 Antibody) at dilution 1/20.