

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **MT-ND5 RABBIT PAB**

Cat.#: S221399

Product Name: Anti-MT-ND5 Rabbit Polyclonal Antibody

Synonyms: MTND5; ND5

UNIPROT ID: P03915 (Gene Accession - YP\_003024036)

**Background:** Enables NADH dehydrogenase (ubiquinone) activity. Involved in mitochondrial electron transport, NADH to ubiquinone and mitochondrial respiratory chain complex I assembly. Part of mitochondrial respiratory chain complex I. Implicated in Leber hereditary optic neuropathy; Leigh disease; and MELAS syndrome.

Immunogen: Synthetic peptide of human MT-ND5

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Rat

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

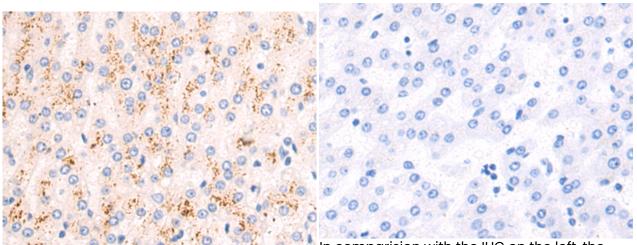
Research Areas: Metabolism, Cancer

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

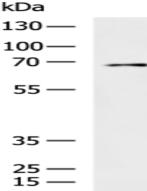


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Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221399(MT-ND5 Antibody) at a dilution of 1/50(Cytoplasm). In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221399(Anti-MT-ND5 Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 µg; Lane: Rat liver tissue lysate; Primary antibody: 221399(MT-ND5 Antibody) at dilution 1/700; Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution; Exposure time: 2 minutes