

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

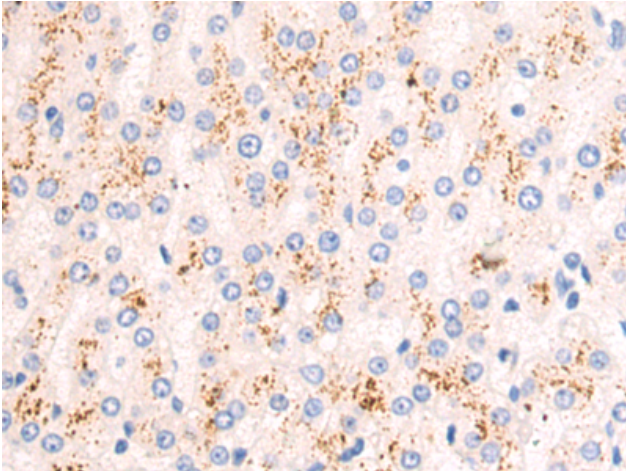
Purification: Antigen affinity purification

Species Reactivity: Human, Rat

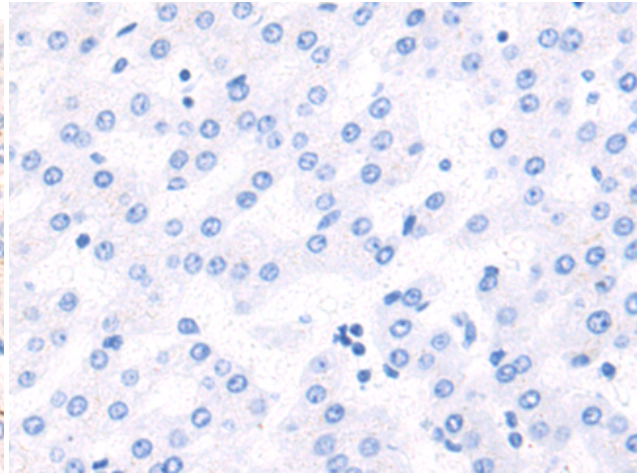
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer

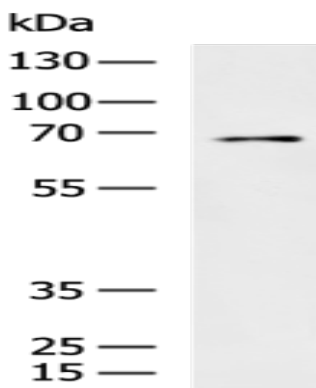
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221399(MT-ND5 Antibody) at a dilution of 1/50(Cytoplasm).



In comparison 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