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Datasheet for ABIN7234677

anti-COX7B antibody

2 Images

Overview

| | |
|--------------|--|
| Quantity: | 200 µL |
| Target: | COX7B |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COX7B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

| | |
|------------------|------------------------------------|
| Immunogen: | Recombinant protein of human COX7B |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | COX7B |
| Alternative Name: | COX7B (COX7B Products) |
| Background: | Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits |

Target Details

function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes subunit VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22.

Molecular Weight: 9 kDa

UniProt: [P24311](#)

Pathways: [Proton Transport](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.3 mg/mL

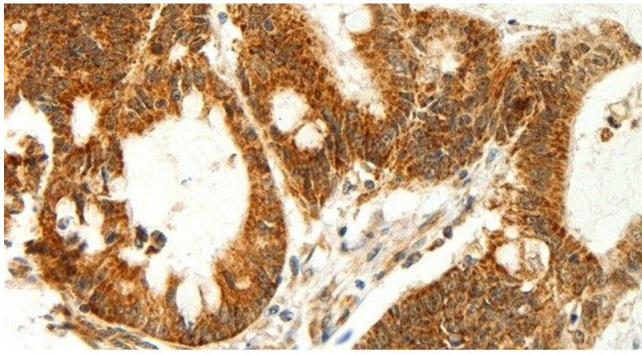
Buffer: PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4

Preservative: Sodium azide

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

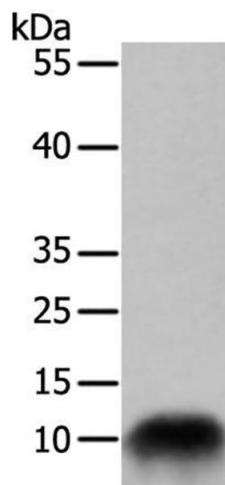
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colon cancer using COX7B Polyclonal Antibody at dilution of 1:60



Western Blotting

Image 2. Western Blot analysis of 293T cell using COX7B Polyclonal Antibody at dilution of 1:700