

# Anti-COX7B Antibody

**CATALOG NO.:** A1756-100 100 µl.

**BACKGROUND DESCRIPTION:** 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 mitochondrial-encoded subunits 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.

**ALTERNATE NAMES:** Cytochrome c oxidase polypeptide VIIb, Cytochrome c oxidase subunit 7B, Cytochrome c oxidase subunit 7B mitochondrial, APLCC.

**ANTIBODY TYPE:** Polyclonal

**CONCENTRATION:** 0.3 mg/ml

**HOST/ISOTYPE:** Rabbit / IgG.

**IMMUNOGEN:** Recombinant protein of human COX7B.

**MOLECULAR WEIGHT:** 9 kDa.

**PURIFICATION:** Affinity purification.

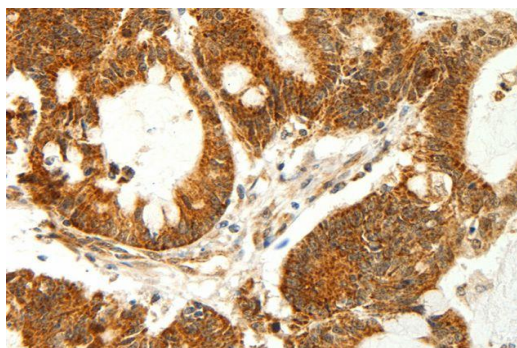
**FORM:** Liquid.

**FORMULATION:** PBS with 0.05% sodium azide, 50% glycerol, PH7.3

**SPECIES REACTIVITY:** Rat.  
Human.

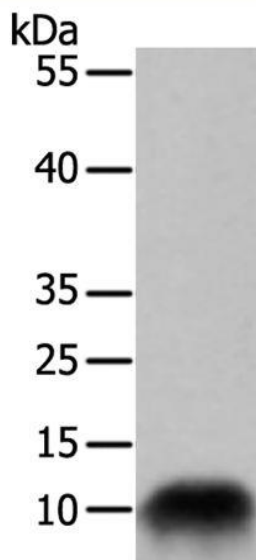
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze / thaw cycles.

**APPLICATIONS AND USAGE:** WB 1:500-1:2000, IHC 1:50-1:200.



: IHC staining of paraffin-embedded Human colon cancer using Anti-COX7B Antibody.

03/19



: Western Blot analysis of 293T cell using Anti-COX7B Antibody.

**RELATED PRODUCTS:**

- Cox-3 Antibody (3687).
- Cyclooxygenase (COX) Activity Assay Kit (Fluorometric) (K549).
- TFPI Antibody (3379).
- Anti-COXIV Isoform 2 Antibody (A1401).
- Anti-COX7B2 Antibody (A1758)

***FOR RESEARCH USE ONLY! Not to be used on humans.***