

# COX7B Polyclonal Antibody

Catalog Number:E-AB-13844

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

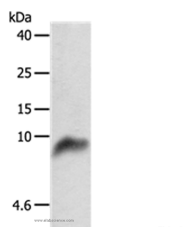
## Description

<b>Reactivity</b>	Human,Rat
<b>Immunogen</b>	Recombinant protein of human COX7B
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

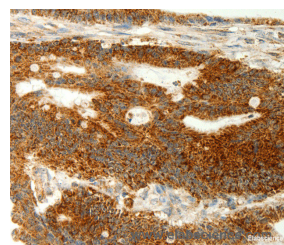
## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-1:300

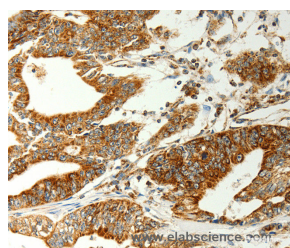
## Data



Western Blot analysis of 293T cell using COX7B Polyclonal Antibody at dilution of 1:800  
Calculated Mw:9kDa



Immunohistochemistry of paraffin-embedded Human colon cancer using COX7B Polyclonal Antibody at dilution of 1:70



Immunohistochemistry of paraffin-embedded Human gastric cancer using COX7B Polyclonal Antibody at dilution of 1:70

## Preparation & Storage

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

## 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 function in electron transfer, and the nuclear-encoded subunits may function in the regulation and

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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.

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