

## COX5B Antibody

Catalog No: #31016

Package Size: #31016-1 50ul #31016-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	COX5B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total COX5B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-139 amino acids of human cytochrome c oxidase subunit Vb
Target Name	COX5B
Other Names	cytochrome c oxidase subunit Vb, COXVB
Accession No.	Swiss-Prot:P10606Gene ID:1329;
Uniprot	P10606
GeneID	1329;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

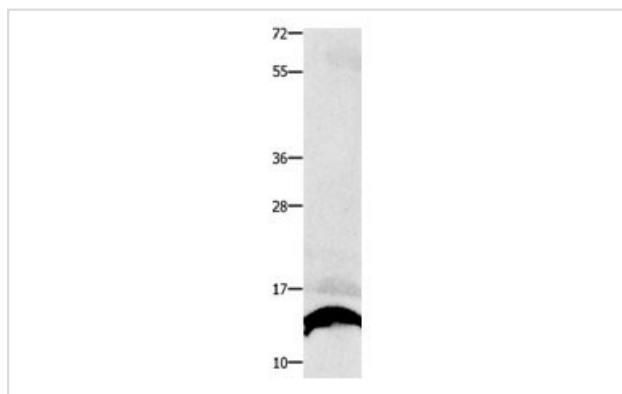
## Application Details

Predicted MW: 14kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

## Images



Gel: 10%+12%SDS-PAGE

Lysate: 40 µg Human liver cancer tissue lysate

Primary antibody: 1/250 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 1 second

## Background

Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the

transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme.

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Note: This product is for in vitro research use only