

For Research Use Only

# CYTB Polyclonal antibody

Catalog Number: 55090-1-AP **79 Publications**



## Basic Information

**Catalog Number:**

55090-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

YP\_003024038

**GeneID (NCBI):**

4519

**UNIPROT ID:**

P00156

**Full Name:**

cytochrome b

**Calculated MW:**

43 kDa

**Observed MW:**

43 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : HepG2 cells, MDA-MB-231 cells, T-47D cells

## Background Information

CYTB, also named as COB and MTCYB, is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. It's mitochondrion membrane protein with MW 43 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Uwe Richter	30262910	Nat Commun	WB
Beiwu Lan	36116558	Exp Cell Res	WB
Jialin Sun	36053001	Adipocyte	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

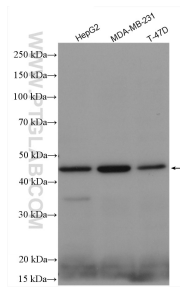
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55090-1-AP (CYTB antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.