# CPT1A Rabbit mAb

Catalog No.: A22899 Recombinant



# **Basic Information**

#### **Observed MW**

88kDa

### **Calculated MW**

88kDa

# Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC3148

# **Background**

The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergentlabile) and carnitine palmitoyltransferase II (which is located in the inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

# **Recommended Dilutions**

**WB** 1:1000 - 1:2000

IHC-P 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID**Swiss Prot
1374
P50416

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

CPT1; CPT1-L; L-CPT1; CPT1A

## **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
$\overline{\Box}$	Т	www.ahclonal.com.cn

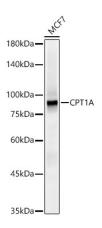
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 40% glycerol, pH7.2.



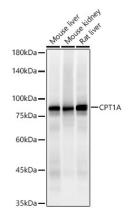
Western blot analysis of lysates from MCF7 cells, using CPT1A Rabbit mAb (A22899) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



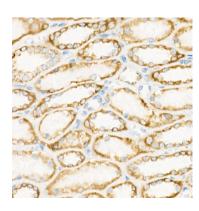
Western blot analysis of various lysates, using CPT1A Rabbit mAb (A22899) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

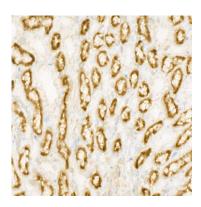
Exposure time: 20s.



Immunohistochemistry analysis of paraffinembedded Human kidney using CPT1A Rabbit mAb (A22899) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse heart using CPT1A Rabbit mAb (A22899) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat kidney using CPT1A Rabbit mAb (A22899) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.