

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **CPT1A RABBIT PAB**

**Cat.#:** S216443

**Product Name:** Anti-CPT1A Rabbit Polyclonal Antibody

Synonyms: CPT1, CPT1-L, L-CPT1

UNIPROT ID: P50416 (Gene Accession - BC000185)

**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 detergent-labile) 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.

Immunogen: Fusion protein of human CPT1A

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 1000-5000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

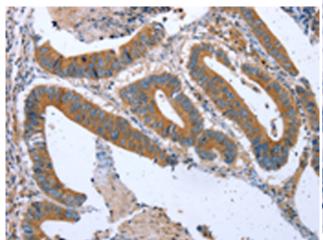
Research Areas: Metabolism, Cancer, Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

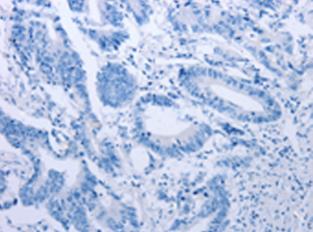


## **Product Description**

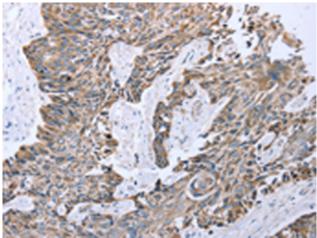
Pioneering GTPase and Oncogene Product Development since 2010



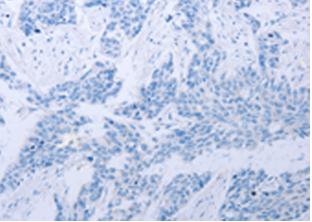
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 216443(CPTIA Antibody) at a dilution of 1/20(Cytoplasm, Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the fusion protein and then with 216443 (Anti-CPTIA Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human esophagus cancer tissue using 216443(Anti-CPTIA Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with fusion protein and then with D220478(Anti-CPTIA Antibody) at dilution 1/20.