

CROT RABBIT PAB

Cat.#: S217309

Product Name: Anti-CROT Rabbit Polyclonal Antibody

Synonyms: COT

UNIPROT ID: Q9UKG9 (Gene Accession - BC051874)

Background: This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long-chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described.

Immunogen: Fusion protein of human CROT

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 150-300;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

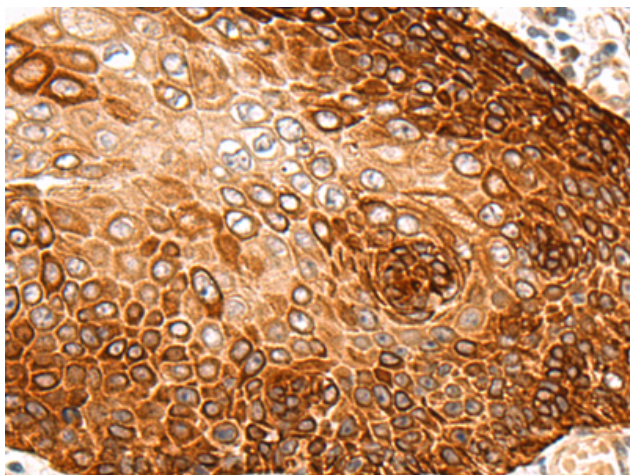
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

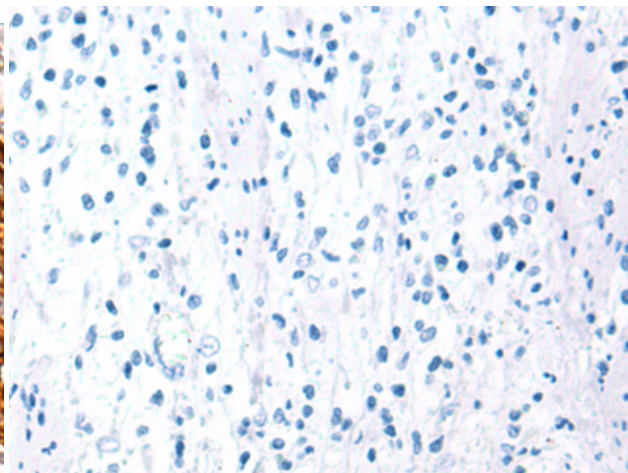
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer, Cardiovascular

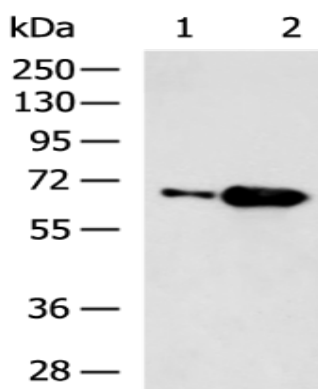
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 217309 (CROT Antibody) at a dilution of 1/115 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 217309 (Anti-CROT Antibody) at dilution 1/115.



Gel: 8% SDS-PAGE, Lysate: 40 µg;

Lane 1-2: Mouse liver tissue, Mouse kidney tissue lysates;

Primary antibody: 217309 (CROT Antibody) at dilution 1/800;

Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;

Exposure time: 30 seconds