

ECH1 RABBIT PAB

Cat.#: S219061

Product Name: Anti-ECH1 Rabbit Polyclonal Antibody

Synonyms: HPXEL

UNIPROT ID: Q13011 (Gene Accession - BC011792)

Background: This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators.

Immunogen: Fusion protein of human ECH1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

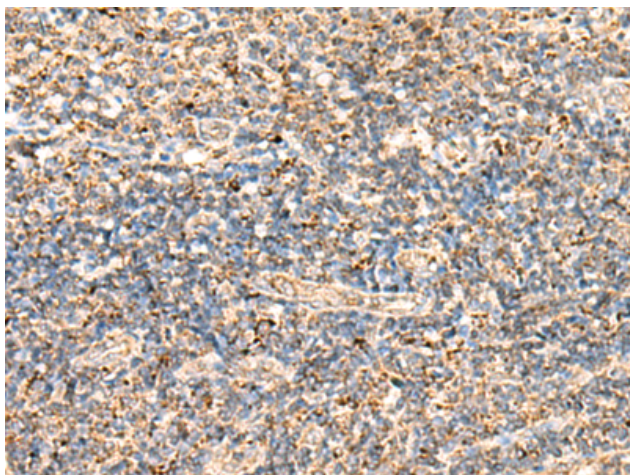
Purification: Antigen affinity purification

Species Reactivity: Human, Rat

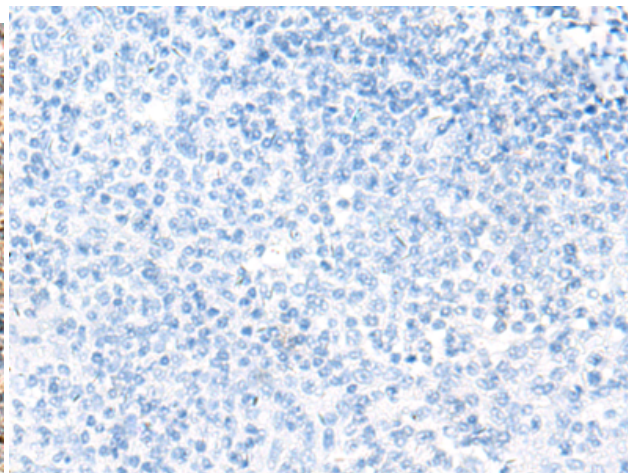
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cardiovascular

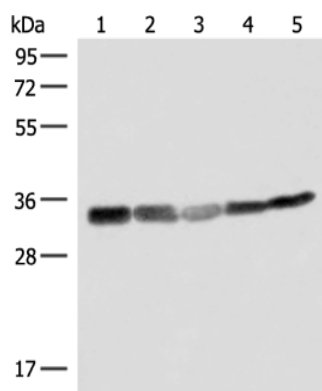
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 219061(ECH1 Antibody) at a dilution of 1/50(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the fusion protein and then with 219061(Anti-ECH1 Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 μ g;
Lane 1-5: Human fetal liver tissue, Hela, 293T, HepG2 and A549 cell lysates;
Primary antibody: 219061(ECH1 Antibody) at dilution 1/200;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 7 seconds