

ACSL4 RABBIT PAB

Cat.#: S217090

Product Name: Anti-ACSL4 Rabbit Polyclonal Antibody

Synonyms: ACS4; FAFL4; LACS4; MRX63; MRX68; XLID63

UNIPROT ID: O60488 (Gene Accession - BC034959)

Background: The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.

Immunogen: Fusion protein of human ACSL4

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

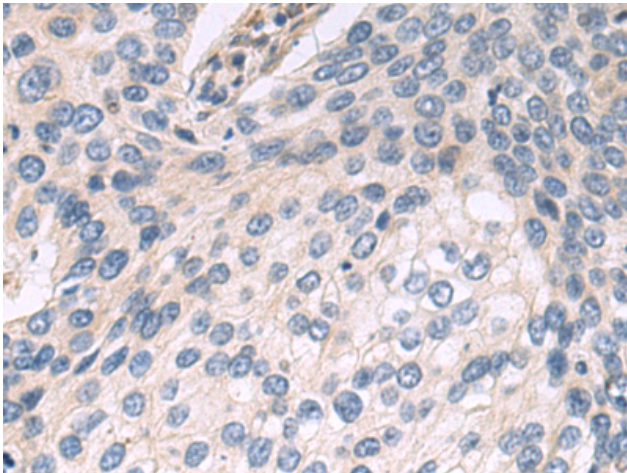
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

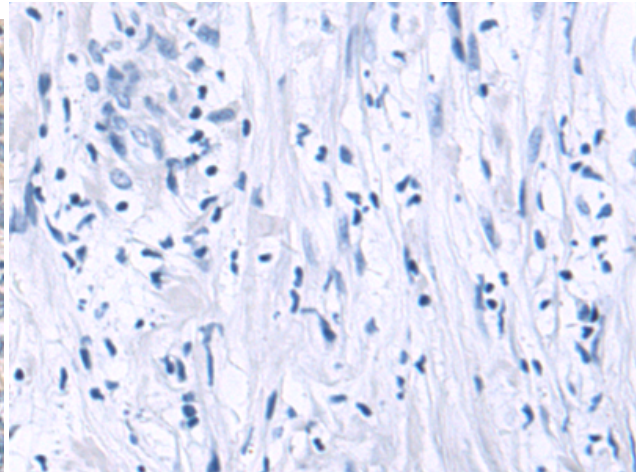
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Signal Transduction

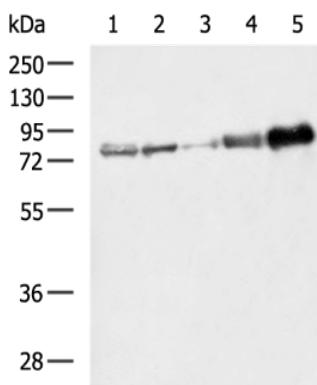
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 217090 (ACSL4 Antibody) at a dilution of 1/75 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 217090 (Anti-ACSL4 Antibody) at dilution 1/75.



Gel: 8% SDS-PAGE, Lysate: 40 µg;
Lane 1-5: RAW264.7, MCF7 cell, Mouse brain tissue, 293T cell, HepG2 cell lysates;
Primary antibody: 217090 (ACSL4 Antibody) at dilution 1/1300;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 20 seconds