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Product datasheet for TA349566

FACL4 (ACSL4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Hepg2 and hela cells, human fetal kidney and liver tissue IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ACSL4
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	79 kDa
Gene Name:	acyl-CoA synthetase long-chain family member 4
Database Link:	NP_004449 Entrez Gene 50790 MouseEntrez Gene 113976 RatEntrez Gene 2182 Human O60488

View online »

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 mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants.

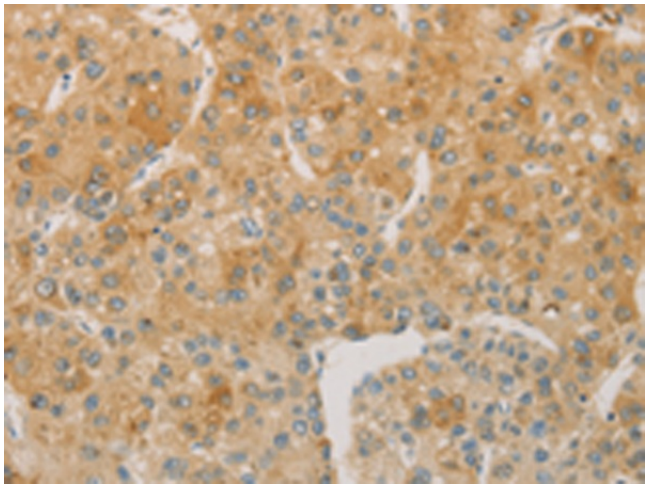
Synonyms: ACS4; FACL4; LACS4; MRX63; MRX68

Protein Families: Druggable Genome, Transmembrane

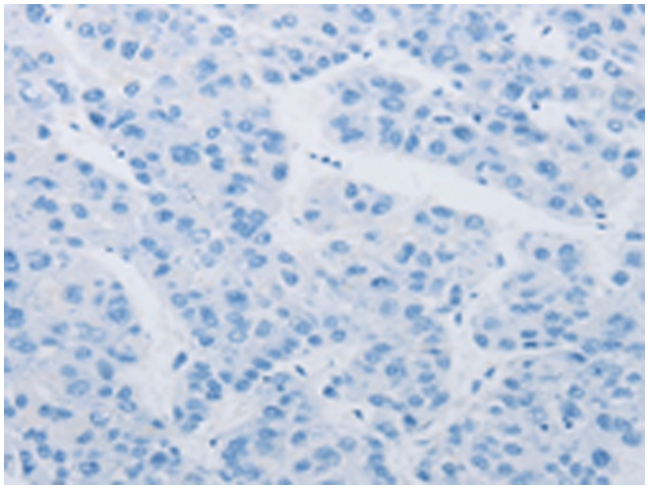
Protein Pathways: Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

Product images:

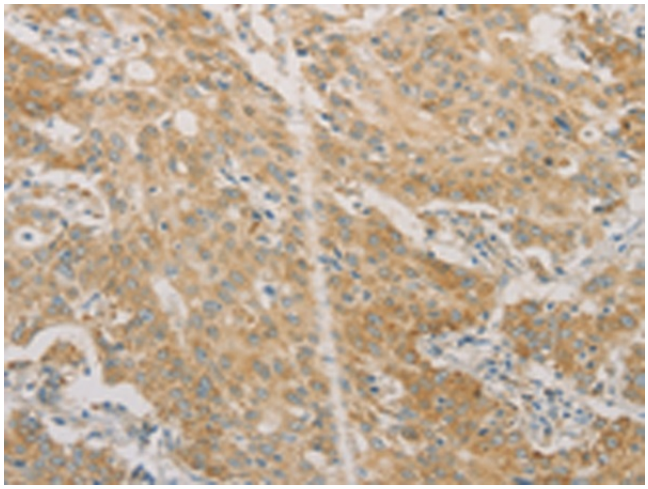
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-4: Hepg2 cells
hela cells
human fetal kidney tissue
Human liver tissue
Primary antibody: TA349566 (ACSL4 Antibody) at dilution 1/650
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 15 seconds



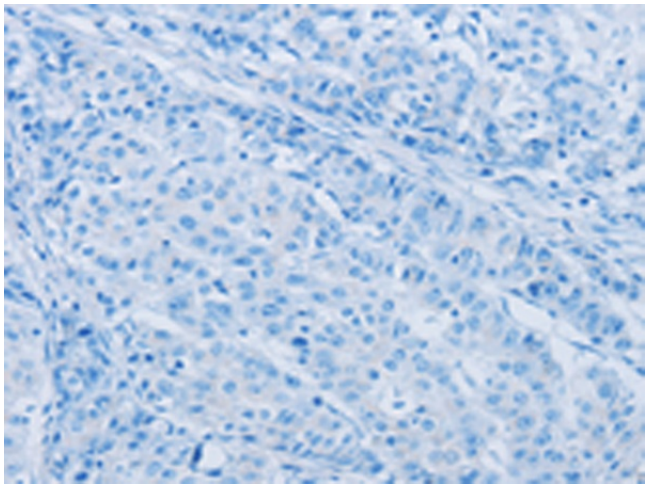
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349566 (ACSL4 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349566 (ACSL4 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349566 (ACSL4 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349566 (ACSL4 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)