

Product datasheet for **TA324047**

ACOX1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse stomach, liver and kidney tissue IHC: 15-50 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human acyl-CoA oxidase 1, palmitoyl
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
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:	74 kDa
Gene Name:	acyl-CoA oxidase 1, palmitoyl
Database Link:	NP_001171968 Entrez Gene 11430 Mouse Entrez Gene 50681 Rat Entrez Gene 51 Human Q15067



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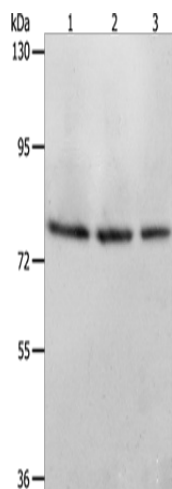
Background: The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids. Alternatively spliced transcript variants encoding different isoforms have been identified.

Synonyms: ACOX; PALMCOX; SCOX

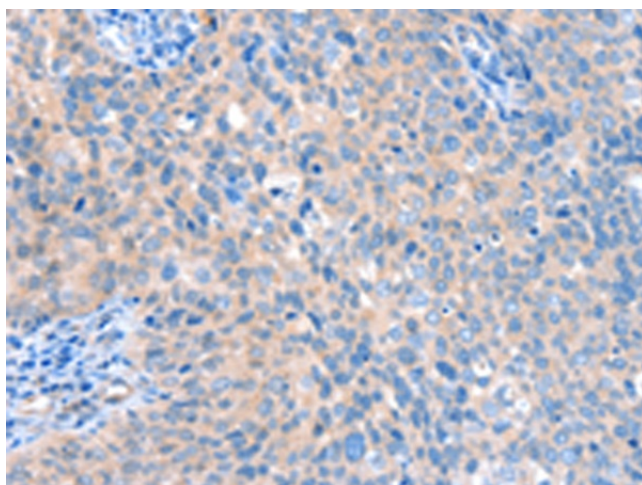
Protein Families: Druggable Genome

Protein Pathways: alpha-Linolenic acid metabolism, Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

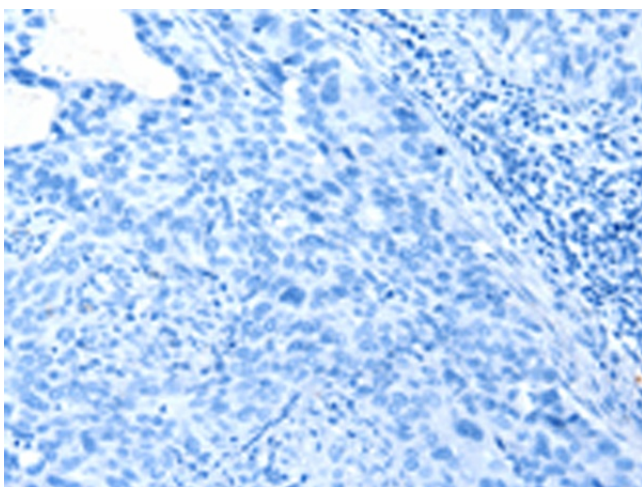
Product images:



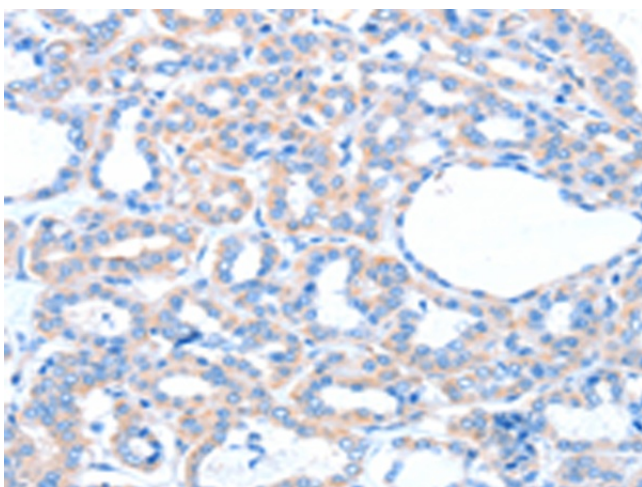
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-3: Mouse stomach tissue
Mouse liver tissue
Mouse kidney tissue
Primary antibody: TA324047 (ACOX1 Antibody) at dilution 1/350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



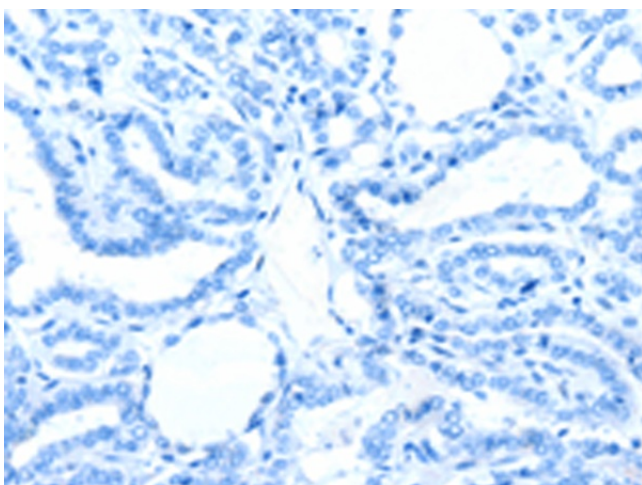
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324047 (ACOX1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324047 (ACOX1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA324047 (ACOX1 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA324047 (ACOX1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)