

Product datasheet for **TA322465**

acyl CoA Thioesterase 2 (ACOT2) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 200-1000 WB positive control: Mouse kidney and liver tissue IHC: 15-50 Positive control: Human colon cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein corresponding to a region derived from 169-468 amino acids of human acyl-CoA thioesterase 2 |
| 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: | 53 kDa |
| Gene Name: | acyl-CoA thioesterase 2 |
| Database Link: | NP_006812 Entrez Gene 171210 Mouse Entrez Gene 10965 Human P49753 |



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Background:

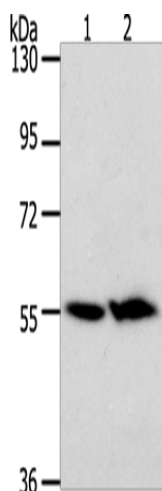
This gene encodes a member of the acyl-CoA thioesterase protein family, and is one of four acyl-CoA hydrolase genes located in a cluster on chromosome 14. Alternative splicing results in multiple transcript variants. Acyl-CoA thioesterases, such as ACOT2, are a group of enzymes that hydrolyze Coenzyme A (CoA) esters, such as acyl-CoAs, bile CoAs, and CoA esters of prostaglandins, to the corresponding free acid and CoA. ACOT2 shows high acyl-CoA thioesterase activity on medium- and long-chain acyl-CoAs, with an optimal pH of 8.5. It is most active on myristoyl-CoA but also shows high activity on palmitoyl-CoA, stearoyl-CoA, and arachidoyl-CoA.

Synonyms:

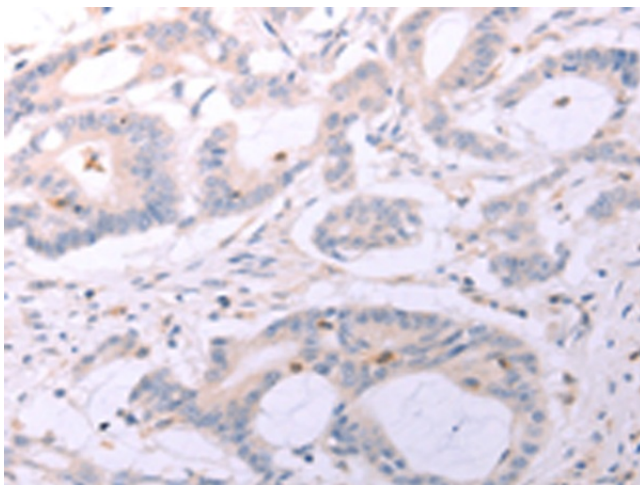
CTE-IA; CTE1A; MTE1; PTE2; PTE2A; ZAP128

Protein Pathways:

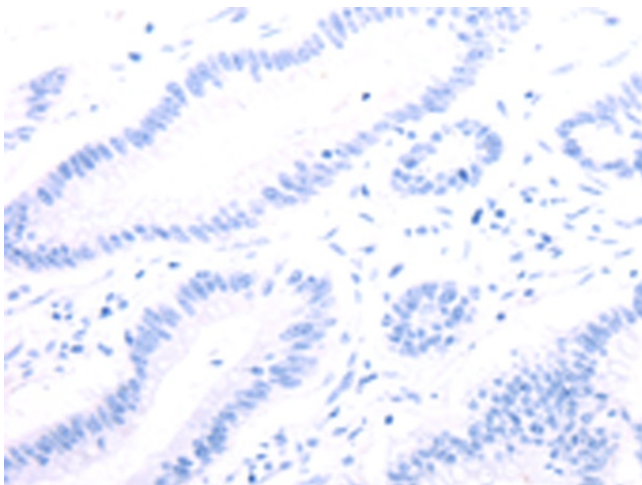
Biosynthesis of unsaturated fatty acids

Product images:

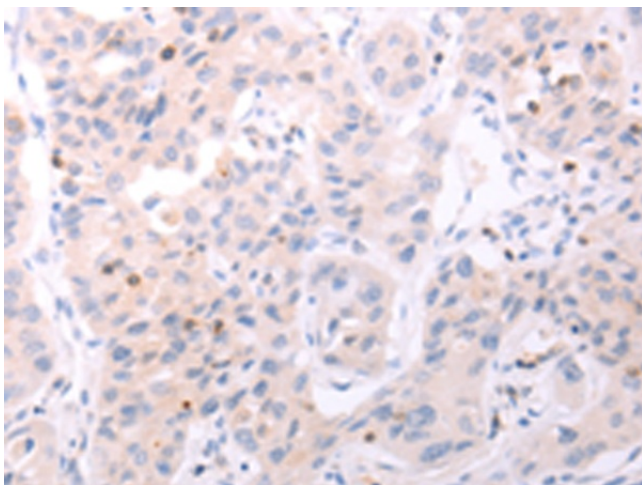
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Mouse kidney tissue
Mouse liver tissue
Primary antibody: TA322465 (ACOT2 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 minutes



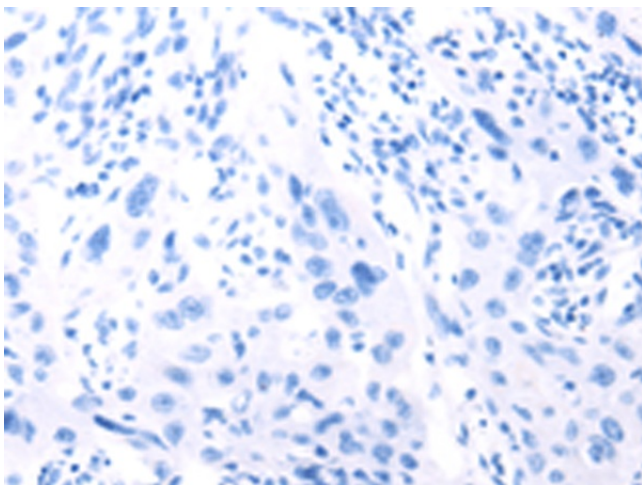
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322465 (ACOT2 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322465 (ACOT2 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA322465 (ACOT2 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA322465 (ACOT2 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)