

## Product datasheet for **TA322302**

### ACSM5 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human normal kidney tissue IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 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.
Gene Name:	acyl-CoA synthetase medium-chain family member 5
Database Link:	<a href="#">NP_060358</a> <a href="#">Entrez Gene 272428 Mouse</a> <a href="#">Entrez Gene 54988 Human</a> <a href="#">Q6NUN0</a>

**Background:** Fatty acids are incorporated into membranes and signaling molecules and have roles in energy storage and metabolism. These essential functions require activation of the fatty acid by acyl-coenzyme A (CoA) synthetases, such as ACSM5, which form an activating thioester linkage between the fatty acid and CoA. Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C4 to C11 and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro).

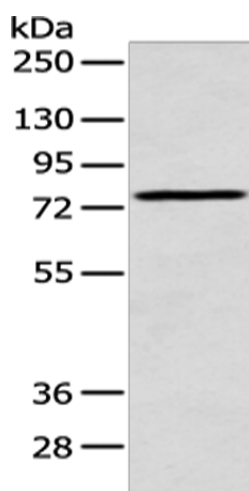


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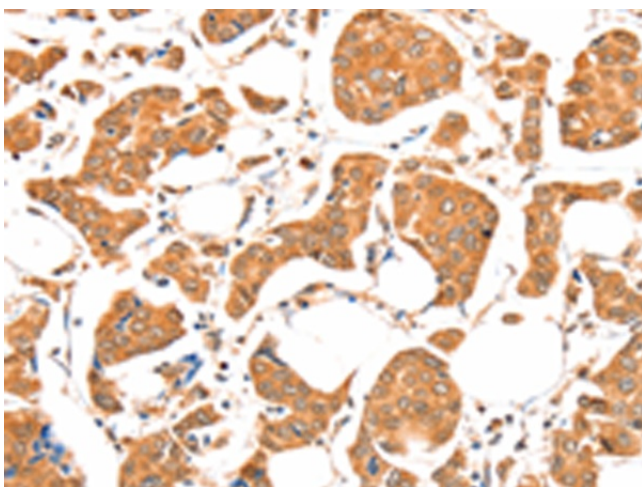
Synonyms: FLJ20581

Protein Pathways: Butanoate metabolism, Metabolic pathways

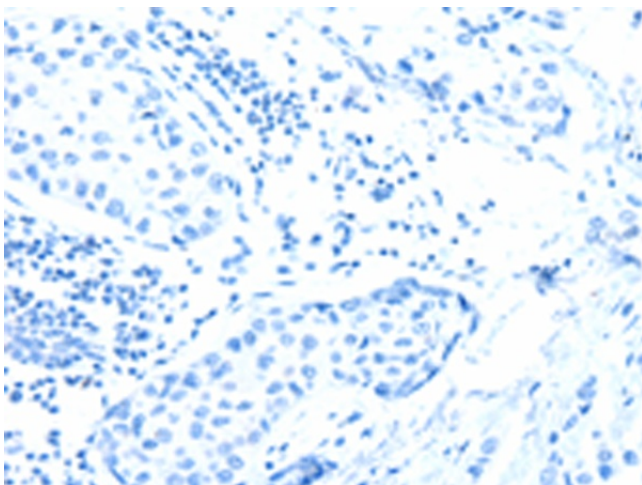
### Product images:



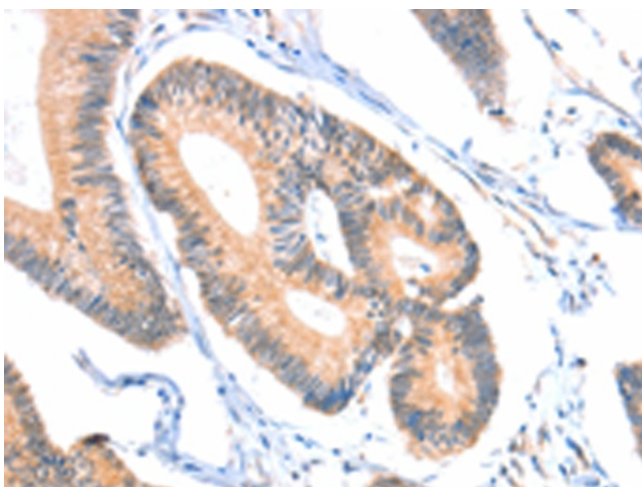
Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human normal kidney tissue  
Primary antibody: TA322302 (ACSM5 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 30 seconds



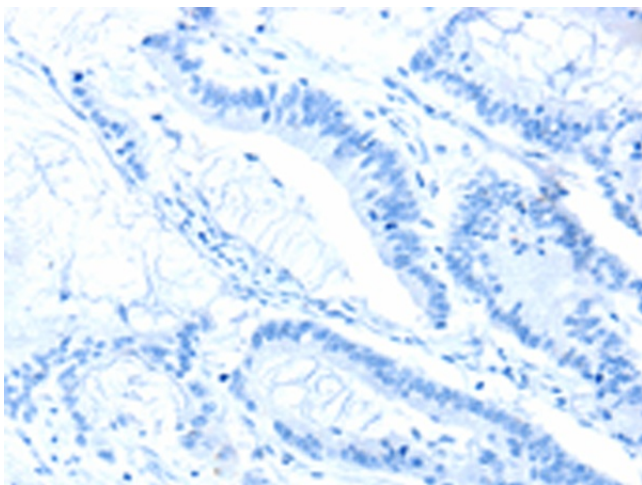
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322302 (ACSM5 Antibody) at dilution 1/20 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322302 (ACSM5 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322302 (ACSM5 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322302 (ACSM5 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )