

## Product datasheet for **TA350049**

### HMGCL Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse thymus and human ovarian cancer tissue, mouse heart, human fetal liver, mouse liver tissue and SKOV3 cells IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HMGCL
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% 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:	34 kDa
Gene Name:	3-hydroxymethyl-3-methylglutaryl-CoA lyase
Database Link:	<a href="#">NP_000182</a> <a href="#">Entrez Gene 15356 Mouse</a> <a href="#">Entrez Gene 79238 Rat</a> <a href="#">Entrez Gene 3155 Human</a> <a href="#">P35914</a>



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**Background:**

The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

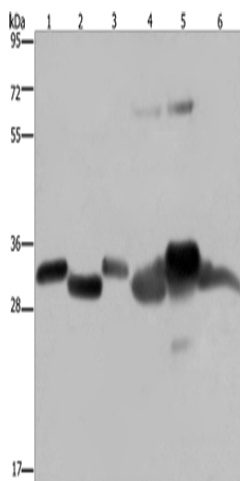
HL

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies, Valine, leucine and isoleucine degradation

**Product images:**


Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane 1-6: Mouse thymus tissue

human ovarian cancer tissue

mouse heart tissue

human fetal liver tissue

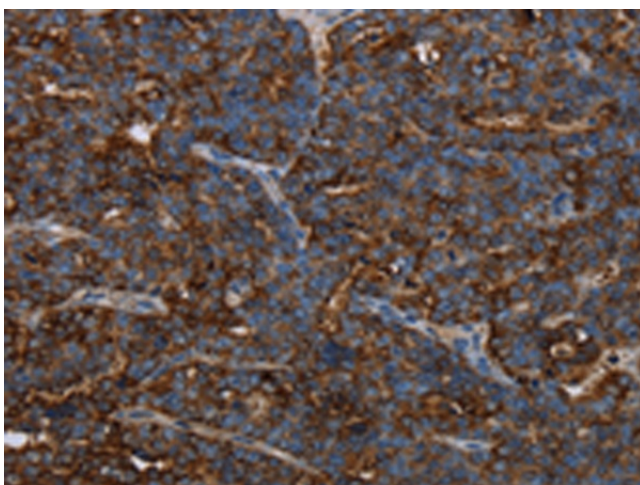
mouse liver tissue

SKOV3 cells

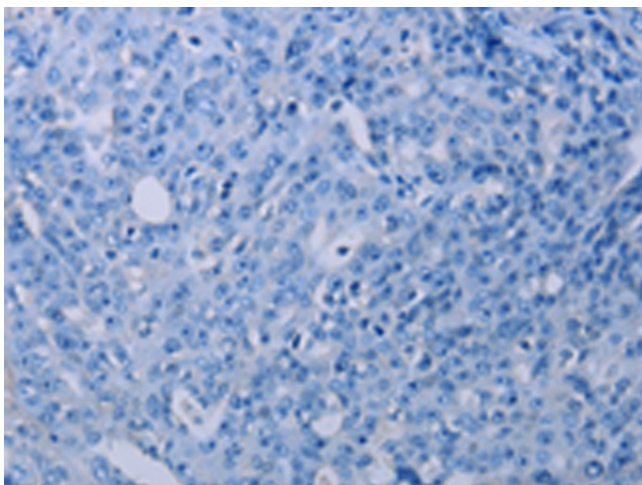
Primary antibody: TA350049 (HMGCL Antibody)  
at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

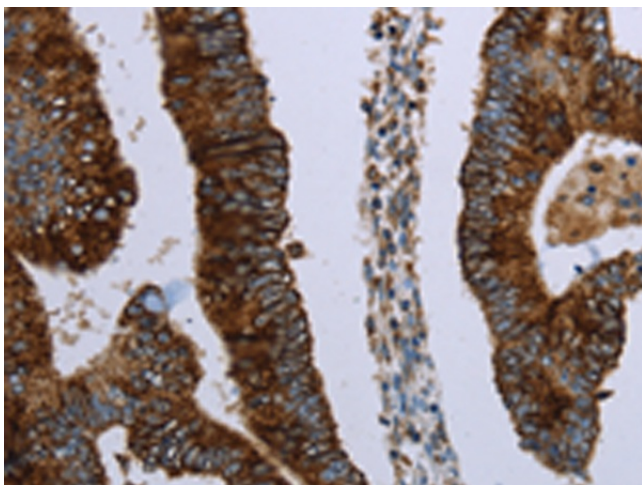
Exposure time: 5 seconds



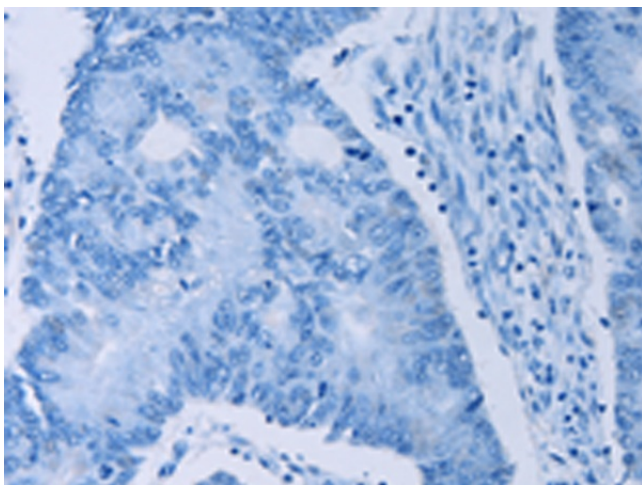
Immunohistochemistry of paraffin-embedded  
Human ovarian cancer tissue using TA350049  
(HMGCL Antibody) at dilution 1/30 (Original  
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA350049 (HMGCL Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350049 (HMGCL Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350049 (HMGCL Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)