

## Product datasheet for **TA371371**

### HMGC2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue IHC: 100-300 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HMGC2
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.
Stability:	1 year
Predicted Protein Size:	57 kDa
Gene Name:	3-hydroxy-3-methylglutaryl-CoA synthase 2
Database Link:	<a href="#">Entrez Gene 3158 Human P54868</a>

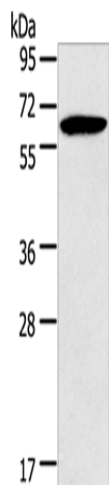
**Background:** The protein encoded by this gene belongs to the HMG-CoA synthase family. It is a mitochondrial enzyme that catalyzes the first reaction of ketogenesis, a metabolic pathway that provides lipid-derived energy for various organs during times of carbohydrate deprivation, such as fasting. Mutations in this gene are associated with HMG-CoA synthase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



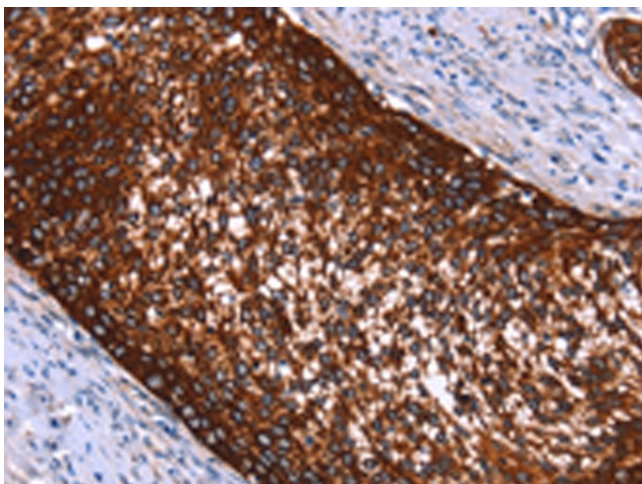
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Synonyms: HMGCS2

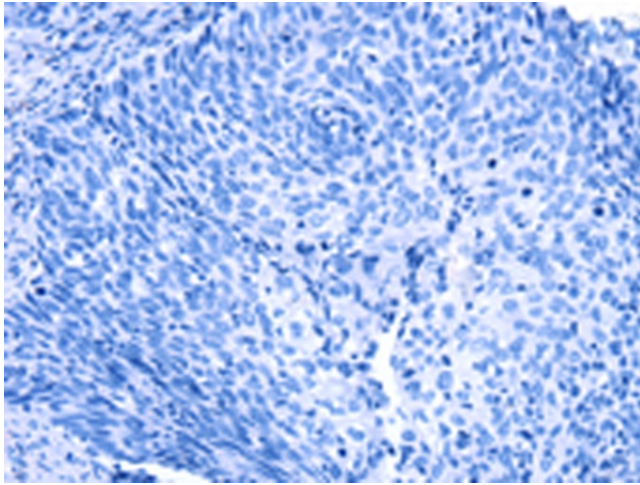
### Product images:



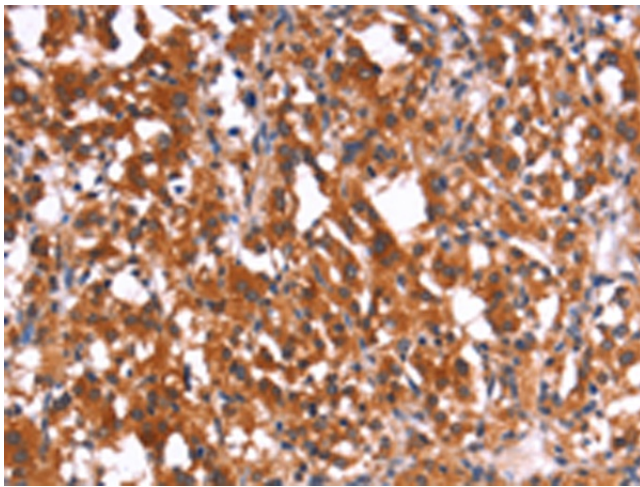
Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Mouse brain tissue  
Primary antibody: TA371371 (HMGCS2 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 2 minutes



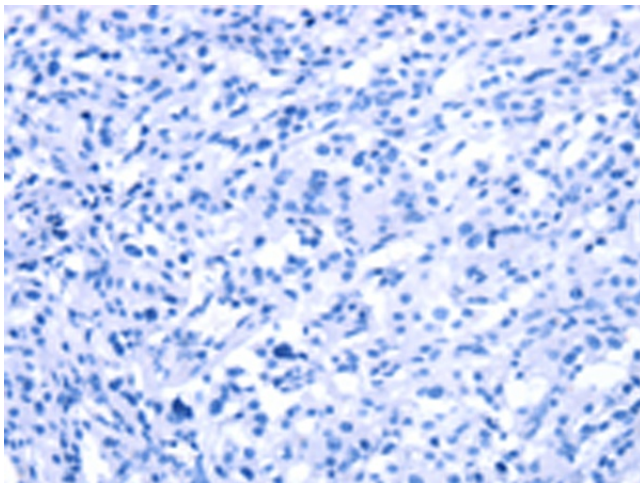
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA371371 (HMGCS2 Antibody) at dilution 1/40 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA371371 (HMGC2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA371371 (HMGC2 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA371371 (HMGC2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification:  $\times 200$ )