

## Product datasheet for **TA364833**

### HMGCR Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	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 HMGCR
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	3-hydroxy-3-methylglutaryl-CoA reductase
Database Link:	<a href="#">Entrez Gene 3156 Human P04035</a>

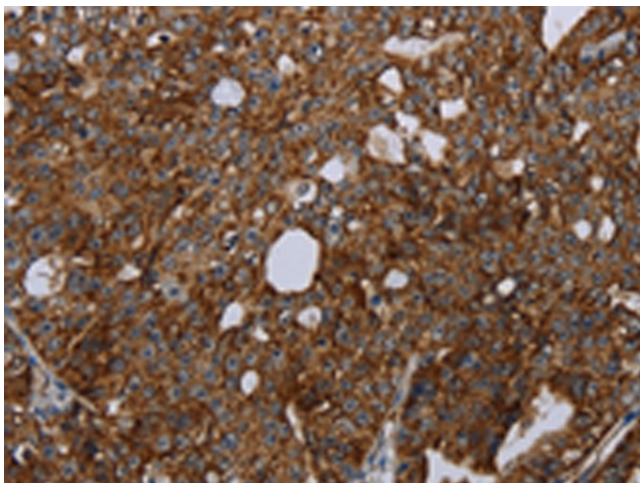
**Background:** HMG-CoA reductase is the rate-limiting enzyme for cholesterol synthesis and is regulated via a negative feedback mechanism mediated by sterols and non-sterol metabolites derived from mevalonate, the product of the reaction catalyzed by reductase. Normally in mammalian cells this enzyme is suppressed by cholesterol derived from the internalization and degradation of low density lipoprotein (LDL) via the LDL receptor. Competitive inhibitors of the reductase induce the expression of LDL receptors in the liver, which in turn increases the catabolism of plasma LDL and lowers the plasma concentration of cholesterol, an important determinant of atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



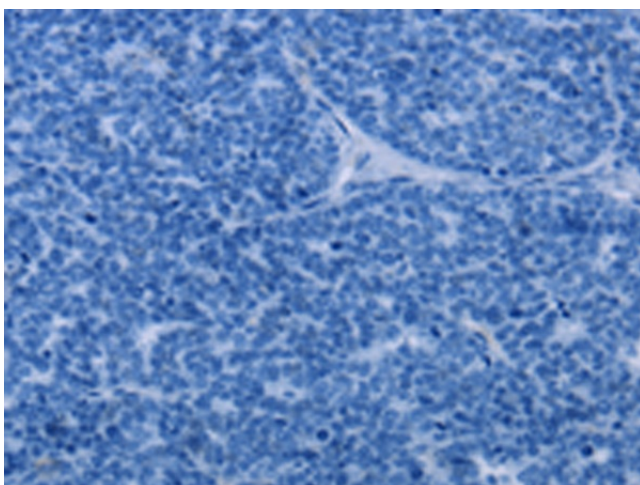
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Synonyms: LDLCQ3

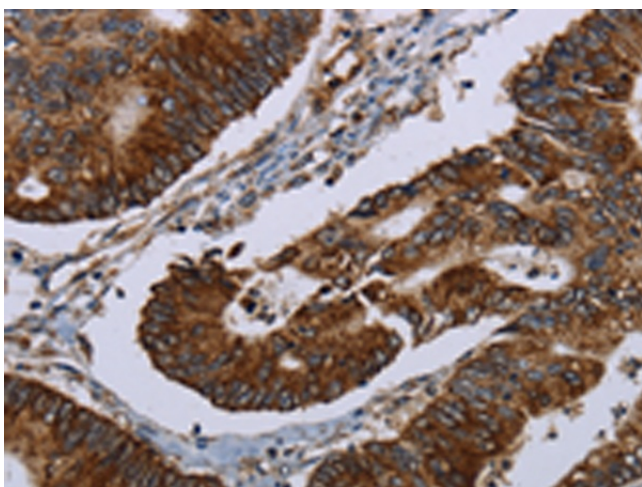
**Product images:**



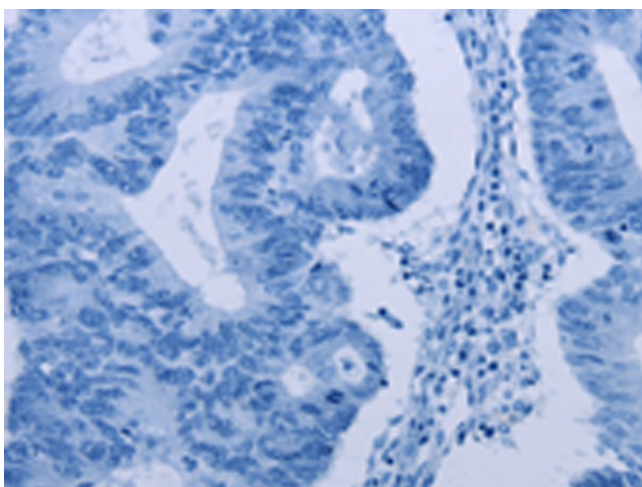
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA364833 (HMGR Antibody) at dilution 1/20 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA364833 (HMGR Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA364833 (HMGR Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA364833 (HMGR Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )