

## Rabbit HMGCR Polyclonal Antibody | anti-HMGCR antibody

HMGCR Polyclonal Antibody

|                               |                       |                                        |                                             |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA177363</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|

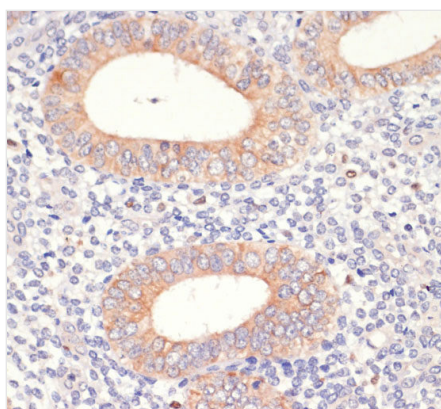
### PRODUCT SYNONYMS

HMGCR; Polyclonal Antibody; HMGCR Polyclonal Antibody; LDLCQ3; anti-HMGCR antibody

### PRODUCT SPECIFICATIONS

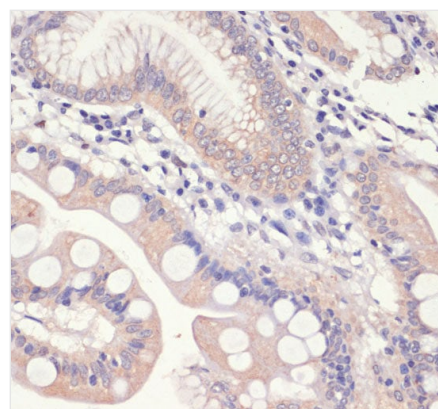
|                                                 |                                                        |
|-------------------------------------------------|--------------------------------------------------------|
| Host                                            | Rabbit                                                 |
| Reactivity                                      | Human, Mouse, Rat                                      |
| Clonality                                       | Polyclonal                                             |
| Isotype                                         | IgG                                                    |
| Purity/Purification                             | Affinity purification                                  |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3       |
| Concentration                                   | 1mg/mL (varies by lot)                                 |
| Applicable Applications for anti-HMGCR antibody | IHC (Immunohistochemistry)                             |
| Immunogen                                       | Recombinant fusion protein of human HMGCR (NP_0008501) |
| Conjugation                                     | Unconjugated                                           |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.       |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human uterine cancer using HMGCR Polyclonal Antibody at dilution of 1:200 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human small intestine using HMGCR Polyclonal Antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HMGCR antibody | 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. |
| Product Categories/Family for anti-HMGCR antibody   | Cancer; Cardiovascular; Metabolism; Signal Transduction; Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 123343                                                                                                                                                    |
| NCBI GeneID                      | 3156                                                                                                                                                      |
| UniProt Accession #              | P04035; Q8N190; B7Z3Y9                                                                                                                                    |
| Molecular Weight                 | 888                                                                                                                                                       |
| NCBI Official Full Name          | 3-hydroxy-3-methylglutaryl-coenzyme A reductase                                                                                                           |
| NCBI Official Synonym Full Names | 3-hydroxy-3-methylglutaryl-CoA reductase                                                                                                                  |
| NCBI Official Symbol             | HMGCR                                                                                                                                                     |
| NCBI Official Synonym Symbols    | LDLCQ3                                                                                                                                                    |
| NCBI Protein Information         | 3-hydroxy-3-methylglutaryl-Coenzyme A reductase; HMG-CoA reductase; hydroxymethylglutaryl-CoA reductase; 3-hydroxy-3-methylglutaryl CoA reductase (NADPH) |
| UniProt Protein Name             | 3-hydroxy-3-methylglutaryl-coenzyme A reductase                                                                                                           |
| UniProt Gene Name                | HMGCR                                                                                                                                                     |
| UniProt Synonym Gene Names       | HMG-CoA reductase                                                                                                                                         |
| UniProt Entry Name               | HMDH_HUMAN                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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