

HMGCR Rabbit pAb
Catalog # AP53578**Specification****HMGCR Rabbit pAb - Product Information**

Application	WB
Primary Accession	P04035
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	97476

HMGCR Rabbit pAb - Additional Information**Gene ID** 3156**Other Names**

LDLCQ3

Dilution

WB~~1:1000

HMGCR Rabbit pAb - Protein Information**Name** HMGCR ([HGNC:5006](#))**Function**

Catalyzes the conversion of (3S)-hydroxy-3-methylglutaryl-CoA (HMG-CoA) to mevalonic acid, the rate-limiting step in the synthesis of cholesterol and other isoprenoids, thus plays a critical role in cellular cholesterol homeostasis (PubMed: [21357570](http://www.uniprot.org/citations/21357570), PubMed: [2991281](http://www.uniprot.org/citations/2991281), PubMed: [36745799](http://www.uniprot.org/citations/36745799), PubMed: [6995544](http://www.uniprot.org/citations/6995544)). HMGCR is the main target of statins, a class of cholesterol-lowering drugs (PubMed: [11349148](http://www.uniprot.org/citations/11349148), PubMed: [18540668](http://www.uniprot.org/citations/18540668), PubMed: [36745799](http://www.uniprot.org/citations/36745799)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P00347}. Peroxisome membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P00347}

Tissue Location

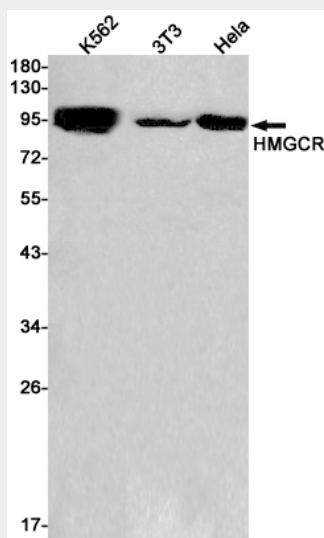
[Isoform 1]: Ubiquitously expressed with the highest levels in the cerebellum, fetal brain, testis, skin and adrenal gland. [Isoform 3]: Low abundance except in skin, esophagus, and uterine cervix.

HMGR Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HMGR Rabbit pAb - Images



Western blot detection of HMGR in K562,3T3,HeLa cell lysates using HMGR Rabbit pAb(1:1000 diluted).Predicted band size:98kDa.Observed band size:98kDa.

HMGR Rabbit pAb - Background

Swiss-Prot Acc.P04035.Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins.