

Product Name: HMGCR (10J19) Rabbit Monoclonal Antibody
Catalog #: AMRe12115

Summary

Production Name	HMGCR (10J19) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	HMGCR
Alternative Names	3H3M; HMDH; HMG CoA reductase; HMG CoAR;
Gene ID	3156.0
SwissProt ID	P04035.A synthetic peptide of human HMGCR

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	98kDa

Background

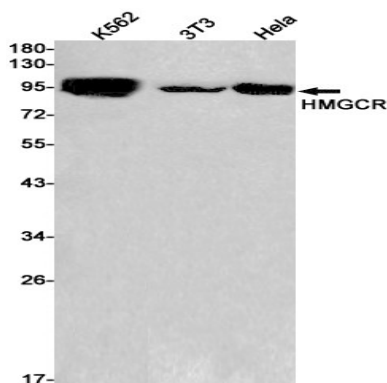
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Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins. Catalyzes 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:2991281, PubMed:21357570, PubMed:6995544). HMGCR is the main target of statins, a class of cholesterol-lowering drugs (PubMed:11349148, PubMed:18540668).

Research Area

Image Data



Western blot detection of HMGCR in K562,3T3,HeLa cell lysates using HMGCR antibody(1:1000 diluted).

Note

For research use only.