

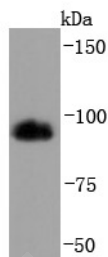
Anti-HMGCR Antibody (4H804)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 97 kDa.
Clone:	4H804
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of HMGCR on Hela cells lysates using anti-HMGCR antibody at 1/1,000 dilution.



Application:	IP,WB
Recommended	WB: 1:1000-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P04035
Synonyms:	HMG-CoA reductase;3-hydroxy-3-methylglutaryl-coenzyme A reductase;HMGCR

Research Background

The human enzyme hydroxy-3-methylglutaryl coenzyme A reductase (HMGCR) limits the rate of cholesterol synthesis, a necessary process for cellular growth, in liver tissue. Phosphorylation of HMGCR inactivates the enzyme, which occurs via a negative feedback mechanism mediated by sterols and non-sterol metabolites derived from the product of the reductase reaction. Inhibitors of HMGCR (statins) exert inflammatory effects and decrease the frequency of cardiovascular events by lowering plasma cholesterol. Additionally, intermediate products along the pathway catalyzed by HMGCR, which modulate signal transducing proteins such as Ras, provide possible ties between HMGCR regulation and new chemotherapeutic methods.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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