

# Product Datasheet

## HMG-CoA Reductase/HMGCR Antibody (JF0981) NBP2-66888

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-66888**

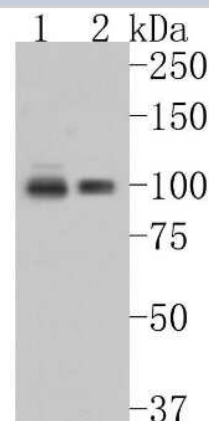
HMG-CoA Reductase/HMGCR Antibody (JF0981)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JF0981
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit HMG-CoA Reductase/HMGCR Antibody (JF0981) (NBP2-66888) is a recombinant monoclonal antibody validated for use in IHC, WB, Simple Western and IP. Anti-HMG-CoA Reductase/HMGCR Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3156
Gene Symbol	HMGCR
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human HMG-CoA Reductase/HMGCR aa 438-489 / 888. (SwissProt: P04035 Human; SwissProt: Q01237 Mouse; SwissProt: P51639 Rat)
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Simple Western 1:25, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100
Application Notes	HMG-CoA Reductase/HMGCR antibody validated for Simple Western from a verified customer review. IP: Use at an assay dependent concentration. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in SVG-A whole cell lysate, separated by Size, antibody dilution of 1:25

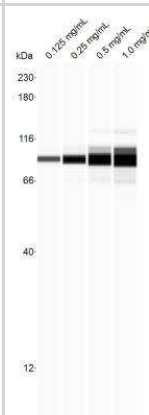


## Images

Western Blot: HMG-CoA Reductase/HMGCR Antibody (JF0981) [NBP2-66888] - Analysis of HMGCR on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (ET1702-41, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Hela cell lysate Lane 2: THP-1 cell lysate



Simple Western: HMG-CoA Reductase/HMGCR Antibody (JF0981) [NBP2-66888] - SVG-A whole cell lysate. Antibody at 1:25 dilution. Image submitted by a verified customer review.



## Publications

Thapa K, Kadiri JJ, Saukkonen K et al. Melanocortin 1 receptor regulates cholesterol and bile acid metabolism in the liver eLife 2023-07-25 [PMID: 37490042] (Simple Western, Human)

Y Wang, J Wang, X Li, X Xiong, J Wang, Z Zhou, X Zhu, Y Gu, D Dominissin, L He, Y Tian, C Yi, Z Fan N1-methyladenosine; 1/2 methylation in tRNA drives liver tumourigenesis by regulating cholesterol metabolism Nature Communications, 2021-11-02;12(1):6314. 2021-11-02 [PMID: 34728628] (Simple Western, Human)

Matthew Grove, Hyukmin Kim, Shuhuan Pang, Jose Paz Amaya, Guoqing Hu, Jiliang Zhou, Michel Lemay, Young-Jin Son, Klaus-Armin Nave, Timothy E Behrens TEAD1 is crucial for developmental myelination, Remak bundles, and functional regeneration of peripheral nerves eLife 2024-03-08 [PMID: 38456457]

Dolcen DN The Role of Nicotinamide N-Methyltransferase in Triple-Negative Breast Cancer Gene Expression and in vivo Metastatic Potential Thesis 2022-01-01 (WB, Human)

Bharadwaj S, Devi S, Sarma P et al. Prophylactic role of Premna herbacea, a dietary leafy vegetable in managing hepatic steatosis via regulating AMPK/SREBP1/ACC/HMGCR signaling pathway Food Bioscience

Dalton GD, Oh SH, Tang L et al. Hepatocyte activity of the cholesterol sensor smoothened regulates cholesterol and bile acid homeostasis in mice iScience 2021-09-24 [PMID: 34568800] (WB, Mouse)

Kohlhaas J, Jager M. A, et al. Endothelial cells control vascular smooth muscle cell cholesterol levels by regulating 24-dehydrocholesterol reductase expression. Exp Cell Res 2021-01-07 [PMID: 33422461] (Simple Western, Human)



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### **Products Related to NBP2-66888**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-91996PEP	HMG-CoA Reductase/HMGCR Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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