

Product Datasheet

HMGCL Antibody - BSA Free

NBP1-83251

Unit Size: 0.1 ml

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

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Updated 2/21/2025 v.20.1

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NBP1-83251

HMGCL Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

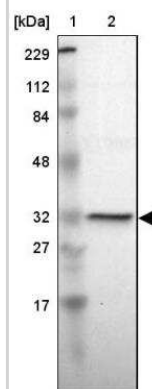
Product Description	
Host	Rabbit
Gene ID	3155
Gene Symbol	HMGCL
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (84%), Rat (86%). Reactivity reported in scientific literature (PMID: 23082721)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWVPQMGDHTEVLKGIQK FPGINYPVLTPLKGFEEAAVAAGAKEVVIFGAASELFTKKNINCSIEESFQRFDAL LKAAQSANISVRGYVSCALGCPYEGKISPAK

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

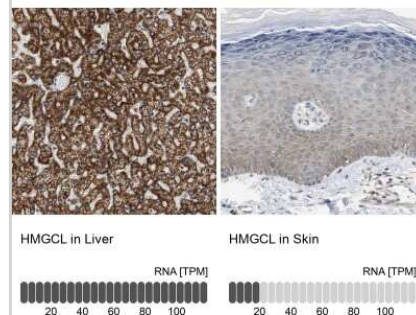


Images

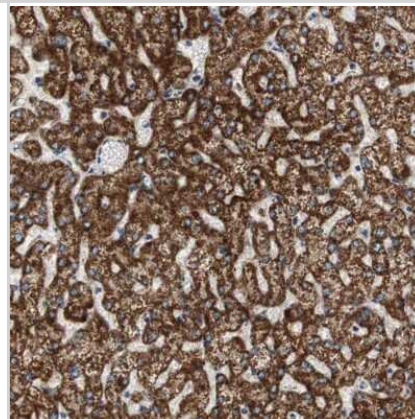
Western Blot: HMGCL Antibody [NBP1-83251] - Lane 1: Marker [kDa] 229, 112, 84, 48, 32, 27, 17. Lane 2: Human cell line RT-4



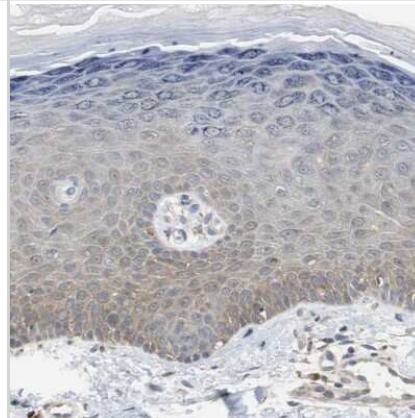
Immunohistochemistry-Paraffin: HMGCL Antibody [NBP1-83251] - Staining in human liver and skin tissues using anti-HMGCL antibody. Corresponding HMGCL RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: HMGCL Antibody [NBP1-83251] - Staining of human liver shows high expression.



Immunohistochemistry-Paraffin: HMGCL Antibody [NBP1-83251] - Staining of human skin shows low expression as expected.



Publications

Martinez-Outschoorn UE, Lin Z, Whitaker-Menezes D et al. Ketone bodies and two-compartment tumor metabolism: Stromal ketone production fuels mitochondrial biogenesis in epithelial cancer cells. Cell Cycle 2012-11-01 [PMID: 23082721]



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Products Related to NBP1-83251

NBP1-83251PEP	HMGCL Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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