

Product Datasheet

Loricrin Antibody NBP1-33610

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-33610

Loricrin Antibody

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	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	26 kDa

Product Description

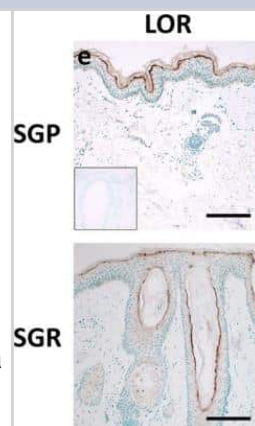
Host	Rabbit
Gene ID	4014
Gene Symbol	LORICRIN
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (87%).
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Loricrin. The exact sequence is proprietary.

Product Application Details

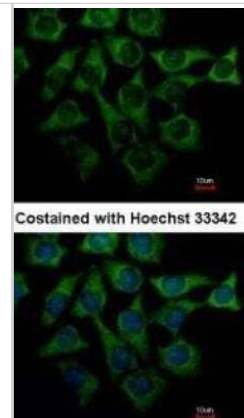
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western Validated from a verified customer review., Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

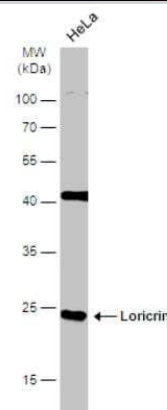
Immunohistochemistry: Loricrin Antibody [NBP1-33610] - Prominent differences in the expressions of innate immune and barrier molecules between sebaceous gland poor (SGR) and sebaceous gland rich (SGP) skin regions. Representative images for immunostaining and quantification of epidermal levels of LOR in SGP and SGR skin sections. Images of negative control stainings are shown in the bottom left corner of SGP immunostainings. Size bars=100um. The graphs show the mean +/- SEM of measured protein levels (*p<0.05; **p<0.01; ***p<0.001, as determined by Mann-Whitney U-test). Image collected and cropped by CiteAb from the following publication ([frontiersin.org/articles/10.3389/fimmu.2018.00424/full](https://www.frontiersin.org/articles/10.3389/fimmu.2018.00424/full)), licensed under a CC-BY license.



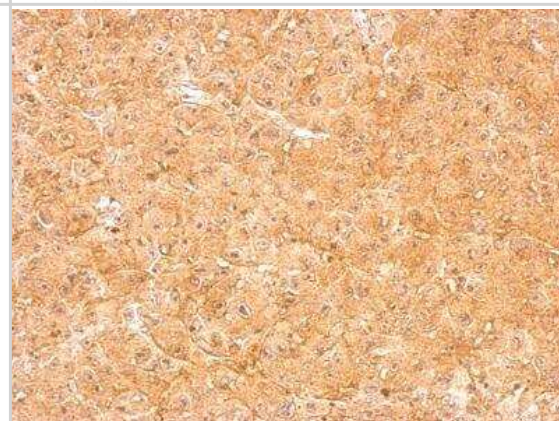
Immunocytochemistry/Immunofluorescence: Loricrin Antibody [NBP1-33610] - Analysis of methanol-fixed Hep3B, using antibody at 1:500 dilution.



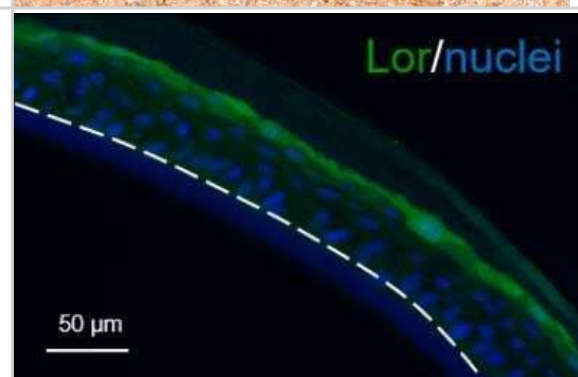
Western Blot: Loricrin Antibody [NBP1-33610] - Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with Loricrin antibody [N1], N-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.

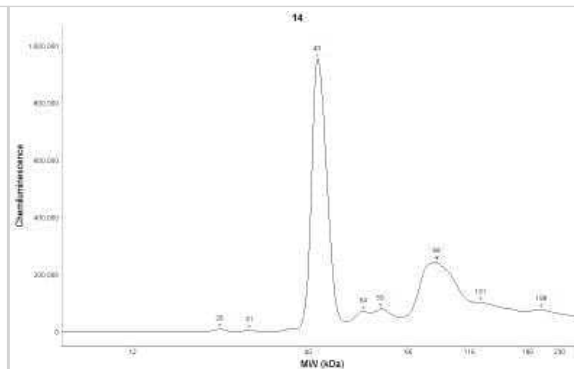


Immunohistochemistry-Paraffin: Loricrin Antibody [NBP1-33610] - HBL438 xenograft. Loricrin antibody [N1], N-term dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

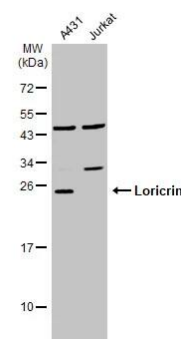


Immunohistochemistry-Paraffin: Loricrin Antibody [NBP1-33610] - Reconstructed human epidermis tissues were embedded in paraffin. After successive baths in xylene and ethanol, antigen was retrieved using warm citrate (for 30 min). Specimens were incubated overnight with the primary antibody (1:100 dilution). Blue staining corresponds to nuclei while loricrin is visible in green. IHC-P image submitted by a verified customer review.





Western Blot: Loricrin Antibody [NBP1-33610] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Loricrin antibody [N1], N-term (NBP1-33610) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Kim, HS;Kim, HJ;Hong, YD;Son, ED;Cho, SY; β -endorphin suppresses ultraviolet B irradiation-induced epidermal barrier damage by regulating inflammation-dependent mTORC1 signaling Scientific reports 2023-12-15 [PMID: 38102220]

Somogyi O, Dajnoki Z, Szabó L et al. New Data on the Features of Skin Barrier in Hidradenitis Suppurativa
Biomedicines 2023-01-04 [PMID: 36672635]

Chung S, Kim M, Choi S et al. The advanced 3D lymphatic system for assaying the human cutaneous lymphangiogenesis in the microfluidic platform Research Square 2023-05-04 (Immunocytochemistry/Immunofluorescence, Human)

Kim HM, Kang YM, Jin BR et al. Morus alba fruits Attenuates Atopic Dermatitis Symptoms and Pathology in vivo and in vitro via the Regulation of Barrier Function, immune response and pruritus Phytomedicine 2022-11-01 [PMID: 36610150] (WB, Mouse)

Gil Ty, Jin BR, An HJ *Peucedanum japonicum* Thunberg alleviates atopic dermatitis-like inflammation via STAT/MAPK signaling pathways in vivo and in vitro *Molecular immunology* 2022-02-23 [PMID: 35219015]

Medgyesi B, Dajnoki Z, et al. Rosacea Is Characterized by a Profoundly Diminished Skin Barrier. J Invest Dermatol 2020-10-01 [PMID: 32199994] (IF/IHC, Human)

Lee J, Song K, Jung C Diosmin restores the skin barrier by targeting the aryl hydrocarbon receptor in atopic dermatitis *Phytomedicine* 2020-11-01 [PMID: 33302042] (WB, Human)

Details:
Human epidermal keratinocytes were analyzed by Western blot.

Beke G, Dajnoki Z, Kapitany A et al. Immunotopographical Differences of Human Skin. *Front Immunol.* 2018-03-05 [PMID: 29556238] (IHC-P, Human)

Shigehara Y, Okuda S, Nemer G et al. Mutations in SDR9C7 gene encoding an enzyme for vitamin A metabolism underlie autosomal recessive congenital ichthyosis. Hum. Mol. Genet. 2016-08-18 [PMID: 27538420] (ICC/IF, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-33610

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004014-P01-10ug	Recombinant Human Loricrin GST (N-Term) Protein

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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