

Product Datasheet

CXCL8/IL-8 Antibody - BSA Free NBP2-33819

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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NBP2-33819

CXCL8/IL-8 Antibody - BSA Free

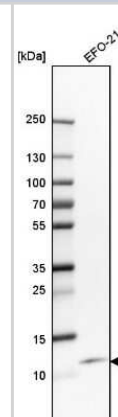
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3576
Gene Symbol	CXCL8
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: SAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSDBGRELCLDPKEN WVQRVVEKF

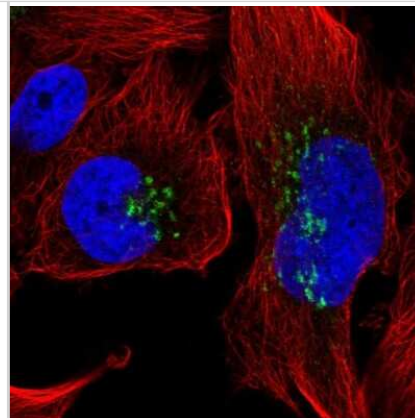
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

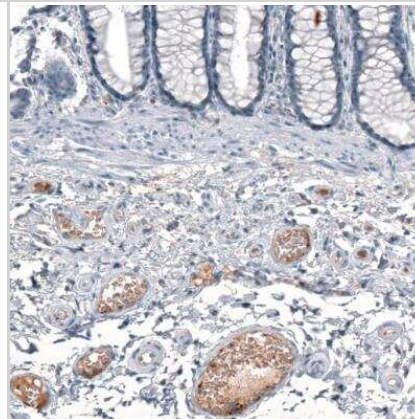
Western Blot: CXCL8/IL-8 Antibody [NBP2-33819] - Analysis in human cell line EFO-21.



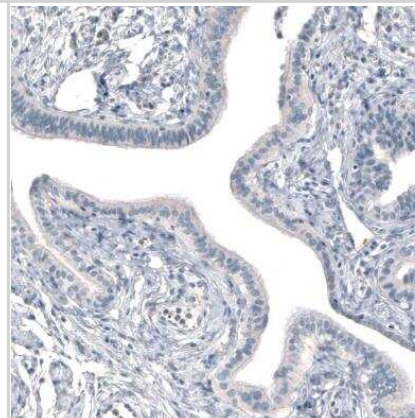
Immunocytochemistry/Immunofluorescence: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human cell line U-251 MG shows localization to the Golgi apparatus. Antibody staining is shown in green.



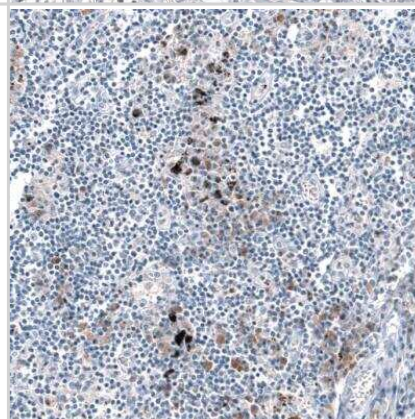
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human rectum shows moderate positivity in plasma.



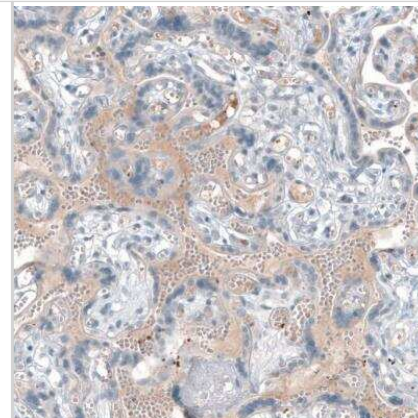
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human fallopian tube shows no positivity in glandular cells as expected.



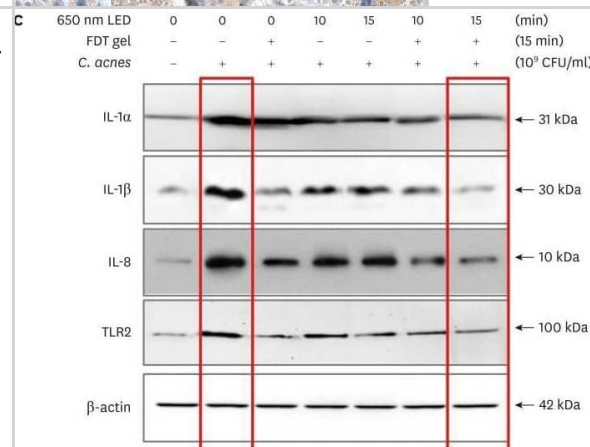
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human lymph node shows weak to moderate cytoplasmic positivity in a subset of non-germinal center cells.



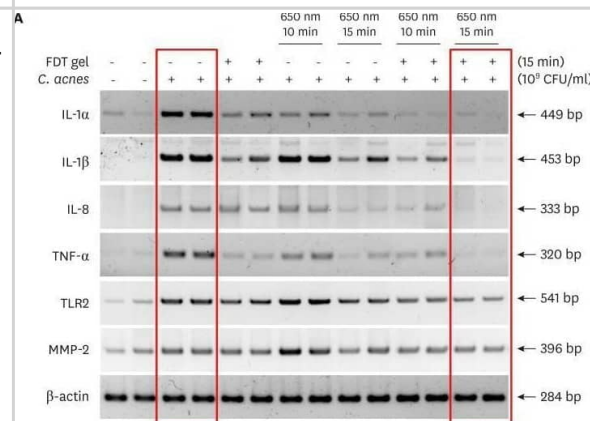
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human placenta shows moderate positivity in plasma.



(A, B) mRNA expression changes of acne inflammatory markers in sqRT-PCR. The reduction of inflammatory markers was large in the PDT group in which FDT gel and LED irradiation were applied together, in particular, it was greatest in the group in which LED irradiation was applied for 15 minutes. (C, D) Protein expression changes of acne inflammatory markers as indicated by Western blot analysis. The reduction of inflammatory markers was large in the PDT group in which FDT gel and LED irradiation were applied together; in particular, the greatest change was in the group in which LED irradiation was applied for 15 minutes. (B, D) * indicates $p < 0.05$ statistical significance. IL: interleukin, TNF: tumor necrosis factor, TLR: Toll-like receptor, MMP: matrix metalloproteinase. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39623608>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Lee SM, Kim SH, Kim Z et Al. Photodynamic Effects of Topical Photosensitizer, Photodithazine Using Micro-LED for Acne Bacteria Induced Inflammation *Ann Dermatol* 2024-12-01 [PMID: 39623608]

Yu S, Chung S, Ha H et al. Nanotheranostics of Pre Stenotic Vessels By Target Touch On Signaling of Peptide Navigator *Advanced Functional Materials* 2021-12-08 (WB)

Li L, Yao W, Yan S Et al. Pan-Cancer Analysis of Prognostic and Immune Infiltrates for CXCs Cancers 2021-08-18 [PMID: 34439306] (IHC-P, Human)

C Owen-Woods, R Joulia, A Barkaway, L Rolas, B Ma, AF Nottebaum, KP Arkill, M Stein, T Girbl, M Golding, DO Bates, D Vestweber, MB Voisin, S Nourshargh Local microvascular leakage promotes trafficking of activated neutrophils to remote organs *J. Clin. Invest.*, 2020-05-01;0(0):. 2020-05-01 [PMID: 31971917] (IHC, Human)

Fronczek J, Lulf R, Korkmaz Hi, Witte Bi. Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine *Forensic Science International et al.* 2014-11-22 [PMID: 25506669] (IHC-P, Human)

Details:

CXCL8/IL-8 antibody used at 1:100 dilution in IHC-P application on human tissues from skin wounds in living subjects in forensic medicine - 4% formaldehyde solution fixation, 4um paraffin sections, endogenous peroxidases blocking with methanol/H₂O₂ (0.3%) for 30 min, antigen retrieval via boiling of slides for 10 min in Tris-EDTA pH 9, primary incubation for 1 h at room temperature, detection with rabbit Envision - DAB (Fig. 1e and 1f)





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Products Related to NBP2-33819

NBP2-33819PEP	CXCL8/IL-8 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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