

Product Datasheet

CXCL14/BRAK Antibody - BSA Free NBP1-31398

Unit Size: 0.1 ml

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

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Updated 2/21/2025 v.20.1

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NBP1-31398

CXCL14/BRAK 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	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, 20% Glycerol
Target Molecular Weight	13 kDa

Product Description

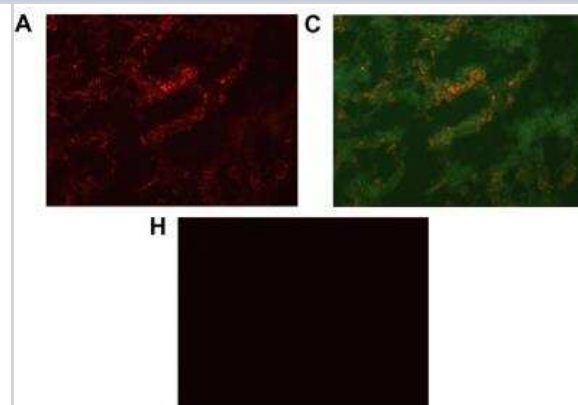
Host	Rabbit
Gene ID	9547
Gene Symbol	CXCL14
Species	Human, Mouse
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human CXCL14/BRAK. The exact sequence is proprietary.

Product Application Details

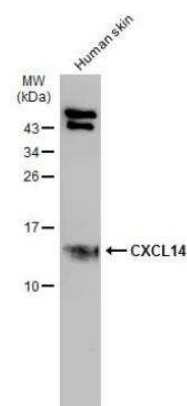
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 28775895), Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Validated from a verified customer review., Knockdown Validated Reported in scientific literature (PMID: 28775895).

Images

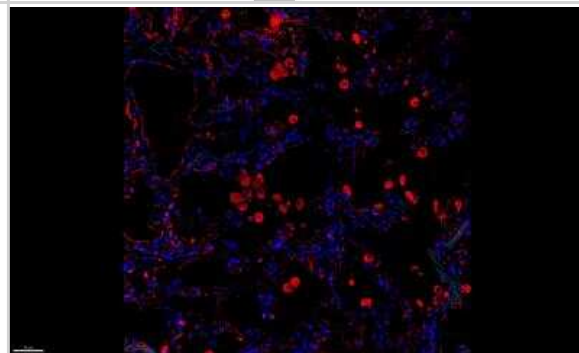
Immunohistochemistry: CXCL14/BRAK Antibody [NBP1-31398] - Two-color immunofluorescence staining of primary colon cancer tissue with anti-CXCL14 and BerEP4. (A) Anti-CXCL14 red color. (C) Overlays giving yellow color of double-stained areas (BerEP4, green color). (H) Rabbit IgG; negative control for anti-CXCL14. Original magnification: 200x. Image collected and cropped by CiteAb from the following publication (mdpi.com/1422-0067/20/22/5793) licensed under a CC-BY license.



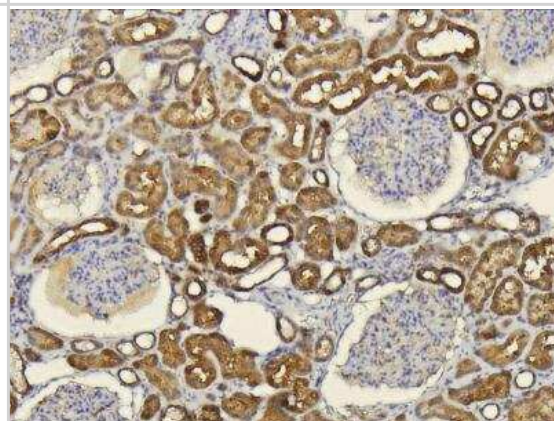
Western Blot: CXCL14/BRAK Antibody [NBP1-31398] - Human tissue extract (30 ug) was separated by 15% SDS-PAGE, and the membrane was blotted with CXCL14 antibody [N3C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



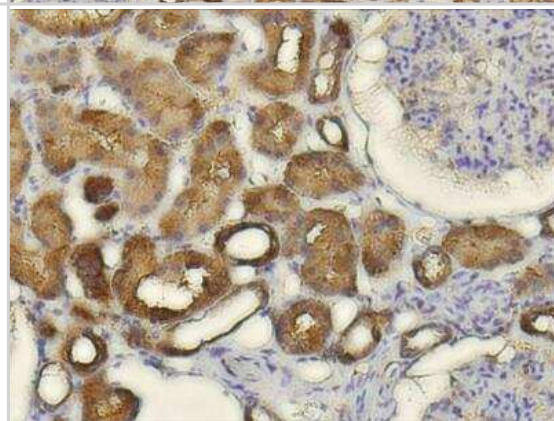
Immunohistochemistry-Frozen: CXCL14/BRAK Antibody [NBP1-31398] - Human lung tissue stained for CXCL14 (red) counterstained with DAPI. IHC-Fr image submitted by a verified customer review.



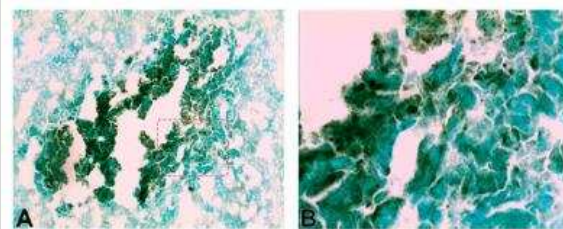
Immunohistochemistry-Paraffin: CXCL14/BRAK Antibody [NBP1-31398] - Human renal cell carcinoma, using CXCL14 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



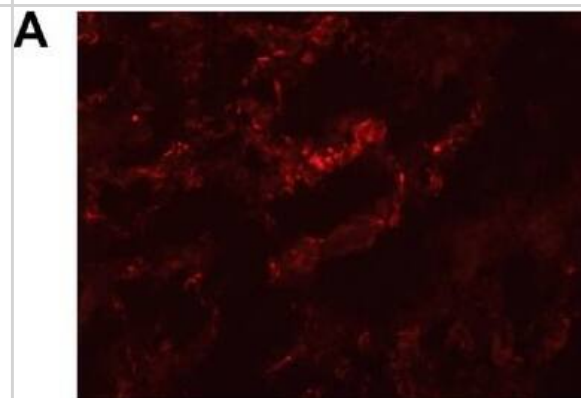
Immunohistochemistry-Paraffin: CXCL14/BRAK Antibody [NBP1-31398] - Human renal cell carcinoma, using CXCL14 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



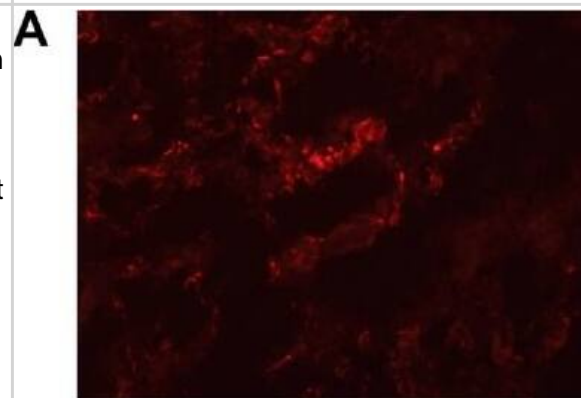
Immunohistochemistry: CXCL14/BRAK Antibody [NBP1-31398] - Immunoperoxidase staining of frozen sections of primary colon cancer tissue. (A) Anti-CXCL14 staining of primary CC tissue, original magnification 100x. (B) Higher magnification of indicated area in (A), 400x. Image collected and cropped by CiteAb from the following publication (mdpi.com/1422-0067/20/22/5793) licensed under a CC-BY license.



Two-color immunofluorescence staining of primary colon cancer tissue with anti-CXCL14 and BerEP4, and anti-CXCL16 and BerEP4. (A) Anti-CXCL14, (E) Anti-CXCL16 both red color. (B,F) BerEP4 mAb, green color. (C,G) Overlays giving yellow color of double-stained areas. (D) FITC-conjugated mouse IgG; negative control for BerEP4. (H) Rabbit IgG; negative control for anti-CXCL14 and anti-CXCL16. Original magnification: $\times 200$.



Immunocytochemistry/ Immunofluorescence: CXCL14/BRAK Antibody [NBP1-31398] - Two-color immunofluorescence staining of primary colon cancer tissue with anti-CXCL14 & BerEP4, & anti-CXCL16 & BerEP4. (A) Anti-CXCL14, (E) Anti-CXCL16 both red color. (B,F) BerEP4 mAb, green color. (C,G) Overlays giving yellow color of double-stained areas. (D) FITC-conjugated mouse IgG; negative control for BerEP4. (H) Rabbit IgG; negative control for anti-CXCL14 & anti-CXCL16. Original magnification: $\times 200$. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31752131>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Chen M, He W, Ding X et al. CXCL14 exacerbates seizures by inhibiting GABA metabolism in epileptic mice American journal of translational research 2022-09-15 [PMID: 36247285] (WB, IHC-Fr, Mouse)

Details:

Dilution used in WB 1:1000, in IHC 1:500

AbdelMageed M, Ali H, Olsson L et al. The Chemokine CXCL16 Is a New Biomarker for Lymph Node Analysis of Colon Cancer Outcome Int J Mol Sci. 2019-11-18 [PMID: 31752131] (IF/IHC, Human)

Waldemer-Streyer RJ, Reyes-Ordoñez A, Kim D et al. Cxcl14 depletion accelerates skeletal myogenesis by promoting cell cycle withdrawal 2017-01-04 [PMID: 28775895] (KD, IHC-P, WB, ICC/IF, Mouse)



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Products Related to NBP1-31398

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35156-5ug	Recombinant Mouse CXCL14/BRAK 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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