Product Datasheet

CXCL13/BLC/BCA-1 Antibody - BSA Free
NBP2-16041

Unit Size: 0.1 ml

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

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Publications: 7

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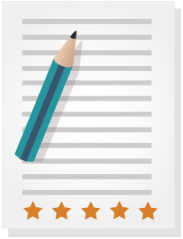
Updated 9/9/2025 v.20.1



NBP2-16041

CXCL13/BLC/BCA-1 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	0.74 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	13 kDa

Product Description

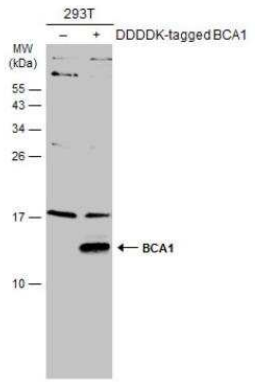
Description	Novus Biologicals Rabbit CXCL13/BLC/BCA-1 Antibody - BSA Free (NBP2-16041) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CXCL13/BLC/BCA-1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10563
Gene Symbol	CXCL13
Species	Human, Mouse
Immunogen	Synthetic peptide made to a C-terminal region of human CXCL13 (between amino acids 50-109) [UniProt O43927]

Product Application Details

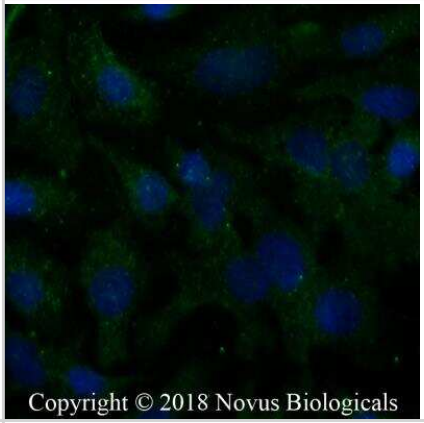
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500 - 1:3000, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 5 ug/mL, Immunohistochemistry-Paraffin 1:100 - 1:500, Immunohistochemistry-Frozen

Images

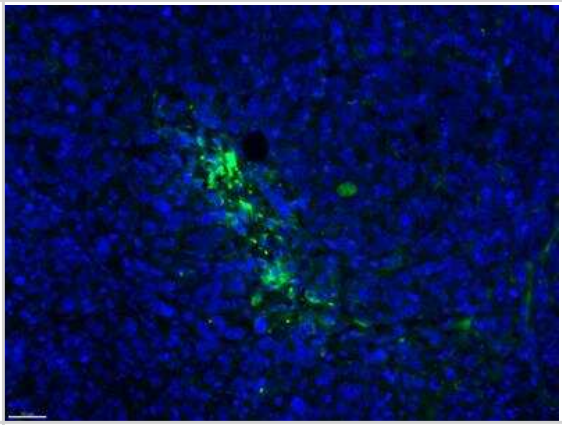
Western Blot: CXCL13/BLC/BCA-1 Antibody [NBP2-16041] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with BCA1 antibody [N3C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



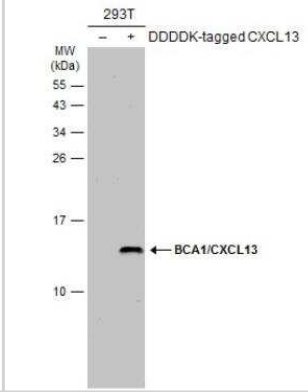
Immunocytochemistry/Immunofluorescence: CXCL13/BLC/BCA-1 Antibody [NBP2-16041] - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-CXCL13 at 5 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



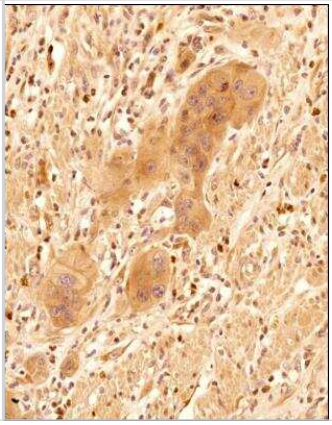
Immunohistochemistry-Paraffin: CXCL13/BLC/BCA-1 Antibody - BSA Free [NBP2-16041] - Human breast cancer tissue stained for CXCL13/BLC/BCA-1 (green) and counterstained with DAPI (blue). Alexa Fluor 488 version of antibody used (NBP2-16041AF488). Image from verified customer review.



Western Blot: CXCL13/BLC/BCA-1 Antibody [NBP2-16041] - Non-transfected (-) and transfected (+) 293T whole cell extracts (60 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with BCA1 antibody [N3C3] diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Immunohistochemistry-Paraffin: CXCL13/BLC/BCA-1 Antibody [NBP2-16041] - Analysis of a FFPE tissue section of human esophageal carcinoma using 1:300 dilution of CXCL13 antibody (NBP2-16041). The signal was developed using HRP-DAB method which followed counterstaining of the cells with hematoxylin.



Publications

Bost P, Casanova R, Mor U et al. Statistical modeling and analysis of cell counts from multiplexed imaging data. Cell systems 2025-05-22 [PMID: 40446805]

Liu W, You W, Lan Z, Ren Y et Al. An immune cell map of human lung adenocarcinoma development reveals an anti-tumoral role of the Tfh-dependent tertiary lymphoid structure Cell Rep Med 2024-03-08 [PMID: 38458196]

Liu, Y;Ye, SY;He, S;Chi, DM;Wang, XZ;Wen, YF;Ma, D;Nie, RC;Xiang, P;Zhou, Y;Ruan, ZH;Peng, RJ;Luo, CL;Wei, PP;Lin, GW;Zheng, J;Cui, Q;Cai, MY;Yun, JP;Dong, J;Mai, HQ;Xia, X;Bei, JX; Single-cell and spatial transcriptome analyses reveal tertiary lymphoid structures linked to tumour progression and immunotherapy response in nasopharyngeal carcinoma Nature communications 2024-09-04 [PMID: 39231979]

Meng J, Lv Q, Sui A et al. Hyperuricemia induces lipid disturbances by upregulating the CXCL-13 pathway American journal of physiology. Gastrointestinal and liver physiology 2021-12-22 [PMID: 34935515]

Ma L, Yu L, Jiang BC Et al. ZNF382 controls mouse neuropathic pain via silencer-based epigenetic inhibition of Cxcl13 in DRG neurons The Journal of experimental medicine 2021-12-06 [PMID: 34762123]

Rodriguez Ab, Peske Jd, Woods An Et Al. Immune mechanisms orchestrate tertiary lymphoid structures in tumors via cancer-associated fibroblasts Cell reports 2021-07-20 [PMID: 34289373]

Cabrita R, Lauss M, Sanna A et al. Tertiary lymphoid structures improve immunotherapy and survival in melanoma Nature 2020-01-01 [PMID: 31942071] (ICC/IF, Human)

Procedures

Western Blot protocol for CXCL13/BLC/BCA-1 Antibody (NBP2-16041)
CXCL13/BLC/BCA-1 Antibody:
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute anti-CXCL13 primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

Immunohistochemistry-Paraffin protocol for CXCL13/BLC/BCA-1 Antibody (NBP2-16041)
CXCL13/BLC/BCA-1 Antibody:
Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:
Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:
1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

Immunocytochemistry/Immunofluorescence protocol for CXCL13/BLC/BCA-1 Antibody (NBP2-16041)
CXCL13/BLC/BCA-1 Antibody:
Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and wash the cells briefly in PBS. Add 10% formalin to the dish and fix at room temperature for 10 minutes.
2. Remove the formalin and wash the cells in PBS.
3. Permeablize the cells with 0.1% Triton X100 or other suitable detergent for 10 min.
4. Remove the permeablization buffer and wash three times for 10 minutes each in PBS. Be sure to not let the specimen dry out.
5. To block nonspecific antibody binding, incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
6. Add primary antibody at appropriate dilution and incubate overnight at 4C.
7. Remove primary antibody and replace with PBS. Wash three times for 10 minutes each.
8. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
9. Remove secondary antibody and replace with PBS. Wash three times for 10 minutes each.
10. Counter stain DNA with DAPi if required.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

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Products Related to NBP2-16041

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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.
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