

Product Datasheet

CXCR7/RDC-1 Antibody NBP1-31309

Unit Size: 100 ul

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

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NBP1-31309**CXCR7/RDC-1 Antibody****Product Information**

Unit Size	100 ul
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 (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	41 kDa

Product Description

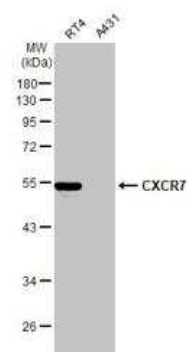
Host	Rabbit
Gene ID	57007
Gene Symbol	ACKR3
Species	Human, Mouse, Rat
Reactivity Notes	Rat (88%), Bovine (81%).
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human CXCR7/RDC-1. The exact sequence is proprietary.

Product Application Details

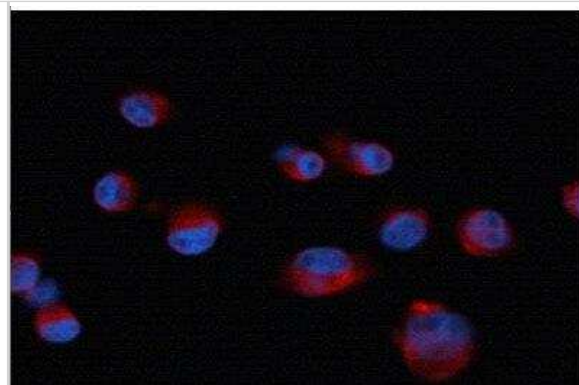
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Assay dependent, ELISA Assay dependent, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/Immunofluorescence 1:100-1:1000, Immunoprecipitation Assay dependent, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

Images

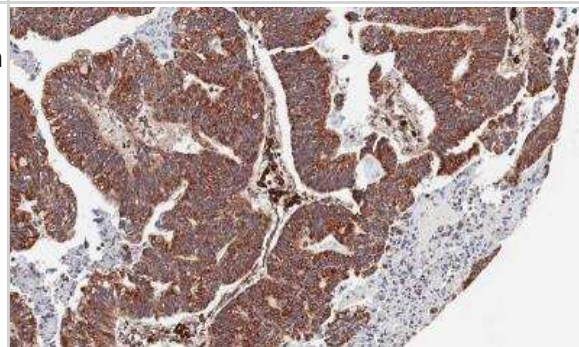
Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



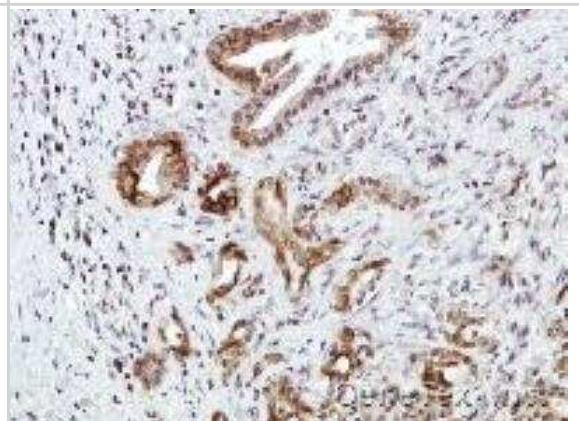
Immunocytochemistry/Immunofluorescence: CXCR7/RDC-1 Antibody [NBP1-31309] - Analysis of human pancreatic cancer cell line, using CXCR7 antibody at 1:50 dilution. Blue: DAPI.



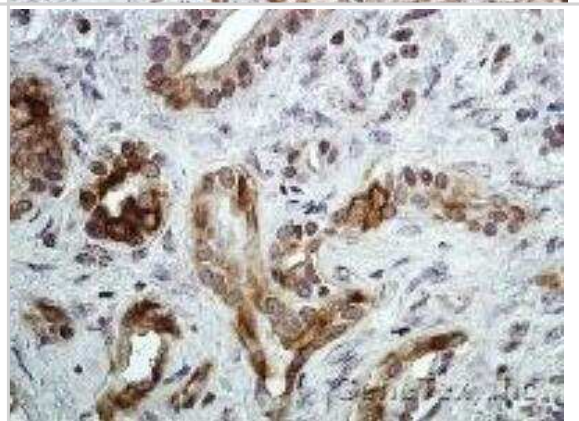
Immunohistochemistry-Paraffin: CXCR7/RDC-1 Antibody [NBP1-31309] - Human gastric cancer, using CXCR7 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



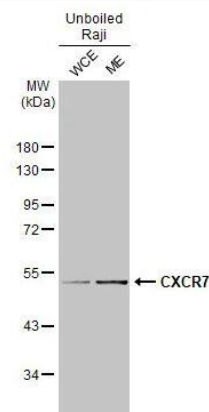
Immunohistochemistry: CXCR7/RDC-1 Antibody [NBP1-31309] - Human pancreatic tumor, using CXCR7 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



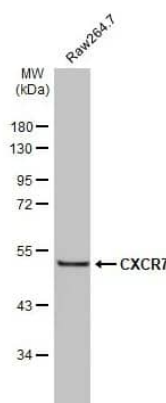
Immunohistochemistry: CXCR7/RDC-1 Antibody [NBP1-31309] - Human pancreatic tumor, using CXCR7 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



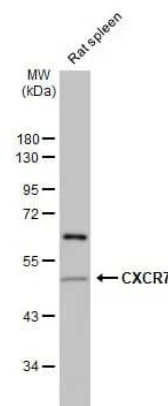
Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] - Unboiled Raji whole cell and membrane extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



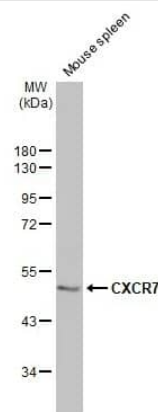
Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] -Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301)) was used to detect the primary antibody.



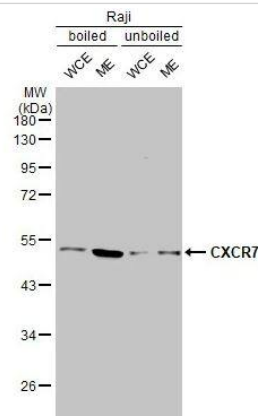
Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] -Rat tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



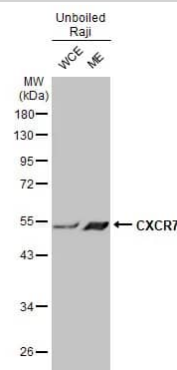
Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] -Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] -Boiled and unboiled Raji whole cell and membrane extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7 antibody [C1C2], Internal diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced. (WCE: whole cell extract; ME: membrane extract)



Western Blot: CXCR7/RDC-1 Antibody [NBP1-31309] - Unboiled Raji whole cell and membrane extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with CXCR7/RDC-1 antibody [C1C2], Internal (NBP1-31309) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. (WCE: whole cell extract; ME: membrane extract)



Publications

AK Rohlfing, K Kolb, M Sigle, M Ziegler, A Bild, P Münzer, J Sudmann, V Dicenta, T Harm, MC Manke, S Geue, M Kremser, M Chatterjee, C Liang, H von Eysmon, T Dandekar, D Heinzmann, M Günter, S von Ungern, M Büttcher, T Castor, S Mencl, F Langhauser, K Sies, D Ashour, MC Beker, M Lämmerhofe, SE Autenrieth, TE Schäffer, S Laufer, P Szklanna, P Maguire, M Heikenwald, KAL Müller, DM Hermann, E Kilic, R Stumm, G Ramos, C Kleinschni, O Borst, HF Langer, D Rath, M Gawaz ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury Nature Communications, 2022-04-05;13(1):1823. 2022-04-05 [PMID: 35383158]

Katsura M, Shoji F, Okamoto T et al. Correlation between CXCR4/CXCR7/CXCL12 chemokine axis expression and prognosis in lymph-node-positive lung cancer patients Cancer Sci. 2018-01-01 [PMID: 29032612] (IHC-P, Human)

Singh RK, Lokeshwar BL. The IL-8-regulated chemokine receptor CXCR7 stimulates EGFR signaling to promote prostate cancer growth. Cancer Res 2011-05-01 [PMID: 21398406] (WB, ICC/IF, FC, Human)



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Products Related to NBP1-31309

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-24779PEP	CXCR7/RDC-1 Antibody Blocking Peptide

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