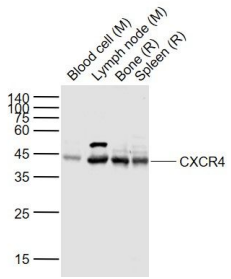
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

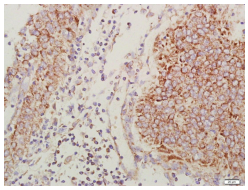
CXCR4 Rabbit pAb

Catalog Number:	bs-1011R
Target Protein:	CXCR4
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat
Predicted MW:	40 kDa
Entrez Gene:	7852
Swiss Prot:	P61073
Source:	KLH conjugated synthetic peptide derived from the middle of human CXCR4: 1-38/352.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Monomer. Can form dimers.

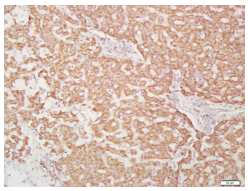
VALIDATION IMAGES



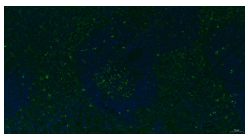
Sample: Lane 1: Blood cell (Mouse) Lysate at 40 ug Lane 2: Lymph node (Mouse) Lysate at 40 ug Lane 3: Bone (Rat) Lysate at 40 ug Lane 4: Spleen (Rat) Lysate at 40 ug Primary: Anti-CXCR4 (bs-20317R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 44 kD



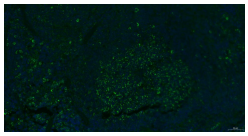
Paraformaldehyde-fixed, paraffin embedded Human Esophageal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:400 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



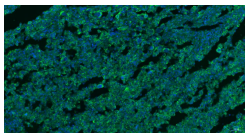
Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:400 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Mouse spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human lung cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=24.633] Yanxin Li. et al. Decoding the temporal and regional specification of microglia in the developing human brain. Cell Stem Cell. 2022 Mar;: IF ; Mouse,Human . 35245443

[IF=13.965] Colas,et al.Impaired Production and Diurnal Regulation of Vascular RvDn-3 DPA Increase Systemic Inflammation and Cardiovascular Disease.(2018) Circulation Research. 122:855-863. FCM ; Human . 29437834

[IF=8.98] Pei, Guangchang, et al. "Renal Interstitial Infiltration and Tertiary Lymphoid Organ Neogenesis in IgA Nephropathy." Clinical Journal of the American Society of Nephrology (2013): CJN-01150113. IHC ; ="Human" . 24262509

[IF=7.84] Zhuo, Wei, et al. "The CXCL12–CXCR4 Chemokine Pathway: A Novel Axis Regulates Lymphangiogenesis." Clinical Cancer Research 18.19 (2012): 5387-5398. Other ; ="Human, Mouse" . 22932666

[IF=6.639] Qun Lin. et al. Silencing CTNND1 Mediates Triple-Negative Breast Cancer Bone Metastasis via Upregulating CXCR4/CXCL12 Axis and Neutrophils Infiltration in Bone. Cancers. 2021 Jan;13(22):5703 IHC ; Human . 34830862