bs-1629R **[Primary Antibody]**

CXCR2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3579 **SWISS:** P25025

Target: CXCR2

Immunogen: KLH conjugated synthetic peptide derived from human CXCR2: 316-360/360. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2009].

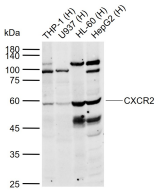
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat

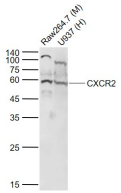
Predicted MW.: 41 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human THP-1 cell lysates Lane 2: Human U937 cell lysates Lane 3: Human HL60 cell lysates Lane 4: Human HepG2 cell lysates Primary: Anti-CXCR2 (bs-1629R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kDa Observed band size: 55 kDa



Sample: Lane 1: Raw264.7 (Mouse) Cell Lysate at 30 ug Lane 2: U937 (Human) Cell Lysate at 30 ug Primary: Anti-CXCR2 (bs-1629R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45/55 kD Observed band size: 59 kD

SELECTED CITATIONS

- **[IF=20.011]** Wang G et al. Targeting YAP-Dependent MDSC Infiltration Impairs Tumor Progression. (2016) Cancer.Disco. 6:80-95 IHC ;Mouse. 26701088
- **[IF=17.1]** Weiya Zeng. et al. Neutrophil Nanodecoys Inhibit Tumor Metastasis by Blocking the Interaction between

Tumor Cells and Neutrophils. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38422392

- **[IF=14.919]** Gunaseelan, Saravanan. et al. Pharmacological perturbation of CXCL1 signaling alleviates neuropathogenesis in a model of HEVA71 infection. Nat Commun. 2022 Feb;13(1):1-21 WB ;Rat,Mouse. 35173169
- **[IF=12.8]** Kun Wang. et al. Anti-pyroptosis biomimetic nanoplatform loading puerarin for myocardial infarction repair: From drug discovery to drug delivery. BIOMATERIALS. 2025 Mar;314:122890 WB ;Mouse. 39427429
- **[IF=12.1]** Eun Ji Lee. et al. Neuroplasticity therapy using glia-like cells derived from human mesenchymal stem cells for the recovery of cerebral infarction sequelae. MOL THER. 2024 Nov 18 WB,IF ;Rat. 39563032