

**bs-12257R****[ Primary Antibody ]****phospho-CXCR2 (Ser347) Rabbit pAb****BioSS**  
**ANTIBODIES**

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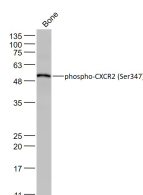
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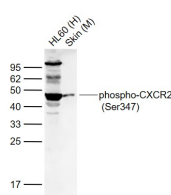
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse (predicted: Dog, Horse)
<b>GeneID:</b> 3579	<b>SWISS:</b> P25025	
<b>Target:</b> CXCR2 (Ser347)		<b>Predicted MW.:</b> 41 kDa
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human CXCR2 around the phosphorylation site of Ser347: RP(p-S)FV.		<b>Subcellular Location:</b> Cell membrane
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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].		

**— VALIDATION IMAGES —**

Sample: Bone (Mouse) Lysate at 40 ug Primary: Anti-phospho-CXCR2 (Ser347) (bs-12257R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 51 kD



Sample: Lane 1: HL60 (Human) Cell Lysate at 30 ug Lane 2: Skin (Mouse) Lysate at 40 ug Primary: Anti-phospho-CXCR2 (Ser347) (bs-12257R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45/55 kD Observed band size: 48 kD

**— SELECTED CITATIONS —**

- **[IF=14.7]** Zhao Yu-Fei. et al. Integrated multi-omics profiling reveals neutrophil extracellular traps potentiate Aortic dissection progression. NAT COMMUN. 2024 Dec;15(1):1-18 mIHC ;Mouse. 39737994
- **[IF=3.098]** Rui Zou. et al. Role of integrin-linked kinase in static compressive stress-induced autophagy via phosphatidylinositol 3 kinase in human periodontal ligament cells. Int J Mol Med. 2021 Sep;48(3):1-11 WB ;Human.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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