## CXCR2 Polyclonal Antibody

Cat \#: G-AB-10208

| Host: Rabbit | Reactivity: Human |
| :--- | :--- |
| Isotype: IgG | Clonality: |

## Overview:

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 2 q33-q36. Alternatively spliced variants, encoding the same protein, have been identified.

Gene ID: 3579

## Accession \#:

Immunogen: A synthetic peptide of human CXCR2

Conjugation: Unconjugated

Swissprot: P25025

Calculated Molecular Weight: 40 kDa
Observed Molecular Weight: 43 kDa

Concentration: $1 \mathrm{mg} / \mathrm{mL}$

Buffer: PBS with 0.02\% sodium azide, 50\% glycerol, pH7.3
Purification Method: Affinity purification

Application: WB
Dilution: WB 1:500-1:2000

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

