

## CXCR2 Antibody

Catalog No: #36813

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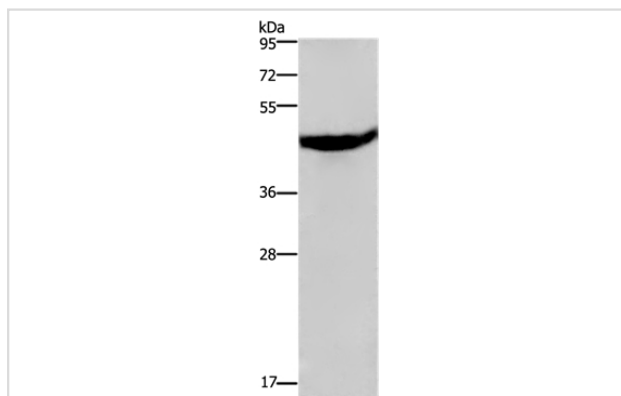
## Description

Product Name	CXCR2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CXCR2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human Chemokine (C-X-C motif) receptor 2
Target Name	CXCR2
Other Names	CD182; IL8R2; IL8RA; IL8RB; CMKAR2; CDw128b
Accession No.	Swiss-Prot#: P25025NCBI Gene ID: 3579Gene Accssion: NP_001548
Uniprot	P25025
GeneID	3579;
SDS-PAGE MW	41kd
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500-1:2000

## Images



Gel: 8%SDS-PAGE  
 Lysates (from left to right): Human colon cancer tissue  
 Amount of lysate: 30ug per lane  
 Primary antibody: 1/500 dilution  
 Secondary antibody dilution: 1/8000  
 Exposure time: 1 minute

## 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.

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Note: This product is for in vitro research use only