

# Anti-CXCR2 Antibody

Catalog # ABO10522

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                                      |
| <b>Primary Accession</b> | <a href="#">P25025</a>                                                                                                  |
| <b>Host</b>              | Rabbit                                                                                                                  |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                                       |
| <b>Clonality</b>         | Polyclonal                                                                                                              |
| <b>Format</b>            | Lyophilized                                                                                                             |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 2(CXCR2) detection. Tested with WB in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                    |

## Additional Information

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| <b>Gene ID</b>                  | 3579                                                                                                                                                                               |
| <b>Other Names</b>              | C-X-C chemokine receptor type 2, CXC-R2, CXCR-2, CDw128b, GRO/MGSA receptor, High affinity interleukin-8 receptor B, IL-8R B, IL-8 receptor type 2, CD182, CXCR2, IL8RB            |
| <b>Calculated MW</b>            | 40759                                                                                                                                                                              |
| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat                                                                                                                                     |
| <b>Subcellular Localization</b> | Cell membrane; Multi-pass membrane protein.                                                                                                                                        |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                          |
| <b>Protein Name</b>             | C-X-C chemokine receptor type 2(CXC-R2/CXCR-2)                                                                                                                                     |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                             |
| <b>Immunogen</b>                | A synthetic peptide corresponding to a sequence in the middle region of human CXCR2(196-212aa CYEDMGNNNTANWRMLLR), different from the related mouse sequence by six amino acids.   |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                       |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>                  | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

## Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

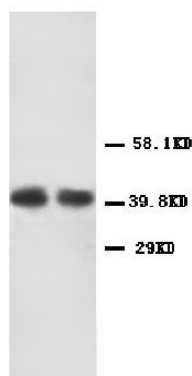
## Protein Information

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CXCR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Synonyms          | IL8RB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function          | Receptor for interleukin-8 which is a powerful neutrophil chemotactic factor (PubMed: <a href="#">1891716</a> ). Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G- protein that activates a phosphatidylinositol-calcium second messenger system (PubMed: <a href="#">8662698</a> ). Binds to IL-8 with high affinity. Also binds with high affinity to CXCL3, GRO/MGSA and NAP-2 (PubMed: <a href="#">1891716</a> ). Involved in the homeostatic wound healing response to tissue injury, a multistep cascade that guides neutrophil migration to necrotic sites while avoiding collateral damage of healthy tissues. Signals intravascular neutrophil chemotaxis to the injury site. |
| Cellular Location | Cell membrane; Multi-pass membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

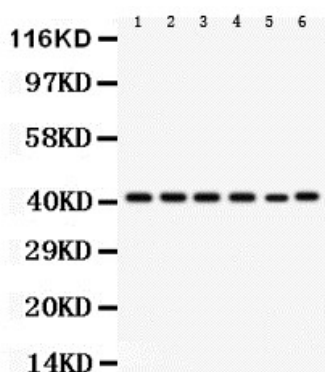
## Background

CXCR2 is a receptor for Interleukin 8, which is a powerful neutrophil chemotactic factor. It is a member of the GPCR family(subfamily, chemokine). Binding of IL8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL8 with a high affinity and to GRO/MGSA and NAP2 also with a high affinity. It has been reported to be expressed in a wide variety of tissues. ESTs have been isolated from human placenta and thymus libraries.

## Images



Anti-CXCR2 antibody, ABO10522, Western blotting  
Lane 1: Human Rectal Cancer Tissue Lysate  
Lane 2: Human Rectal Cancer Tissue Lysate



Anti- CXCR2 antibody, ABO10522, Western blotting  
All lanes: Anti CXCR2(ABO10522) at 0.5ug/ml  
Lane 1: Rat Spleen Tissue Lysate at 50ug  
Lane 2: Rat Kidney Tissue Lysate at 50ug  
Lane 3: Rat Brain Tissue Lysate at 50ug  
Lane 4: Mouse Testis Tissue Lysate at 50ug  
Lane 5: HEPA Whole Cell Lysate at 40ug  
Lane 6: Mouse Brain Tissue Lysate at 50ug  
Predicted bind size: 41KD  
Observed bind size: 41KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.