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# XCR1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12041b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P46094 |
| **Other Accession** | NP_005274.1 |
| **Reactivity** | Human |
| **Predicted** | Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB31951 |
| **Calculated MW** | 38508 |
| **Antigen Region** | 305-333 |

## Additional Information

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| **Gene ID** | 2829 |
| **Other Names** | Chemokine XC receptor 1, G-protein coupled receptor 5, Lymphotactin receptor, XC chemokine receptor 1, XCR1, CCXCR1, GPR5 |
| **Target/Specificity** | This XCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-333 amino acids from the C-terminal region of human XCR1. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | XCR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | XCR1 |
| **Synonyms** | CCXCR1, GPR5 |

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| **Function** | Receptor for chemokines SCYC1 and SCYC2. Subsequently transduces a signal by increasing the intracellular calcium ions level. Receptor for XCL1/Lymphotactin. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |

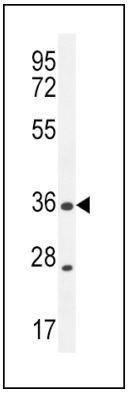
## Background

The protein encoded by this gene is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1-alpha/RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

## References

Yamazaki, C., et al. Biochem. Biophys. Res. Commun. 397(4):756-761(2010)
Crozat, K., et al. J. Exp. Med. 207(6):1283-1292(2010)
Bachem, A., et al. J. Exp. Med. 207(6):1273-1281(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Luttichau, H.R. Virol. J. 5, 50 (2008) :

## Images




XCR1 Antibody (C-term) (Cat. #AP12041b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the XCR1 antibody detected the XCR1 protein (arrow).

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