

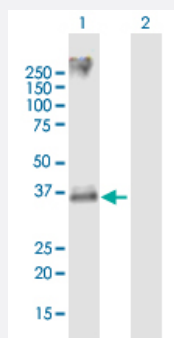
MaxPab®

CXCR2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003579-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CXCR2 expression in transfected 293T cell line ([H00003579-T01](#)) by CXCR2 MaxPab polyclonal antibody.

Lane 1: CXCR2 transfected lysate(39.6 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CXCR2 protein.

Immunogen

CXCR2 (NP_001548.1, 1 a.a. ~ 360 a.a) full-length human protein.

Sequence

MEDFNMESDSFEDFWKGEDLSNYSYSTLPPFLLDAAPCEPESLEINKYFVVIYALVFLSLLGN
SLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPWAASKVNGWIFGTFLCKVVSLLKEVNFYSGI
LLLACISVDRLAMHATRTLTKRYLVKFICLSIWGLSLLLALPVLLFRRTVYSSNVSPACYEDMGN
NTANWRMLLRILPQSFGFVPLLIMLFCYGTFLRTLKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLV
LLADTLMRTQVIQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKILAIHGLISKDSP
KDSRPSFVGSSSGHTSTTL

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CXCR2 expression in transfected 293T cell line ([H00003579-T01](#)) by CXCR2 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — CXCR2

Entrez GeneID [3579](#)

GeneBank Accession# [NM_001557](#)

Protein Accession# [NP_001548.1](#)

Gene Name CXCR2

Gene Alias CD182, CDw128b, CMKAR2, IL8R2, IL8RA, IL8RB

Gene Description chemokine (C-X-C motif) receptor 2

Omim ID [146928](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

C-X-C chemokine receptor type 2|CXC-R2|CXCR-2|CXCR2 gene for IL8 receptor type B|GRO/MGSA receptor|IL-8 receptor type 2|IL-8R B|chemokine (CXC) receptor 2|high affinity interleukin-8 receptor B|interleukin 8 receptor B|interleukin 8 receptor type 2|interl

Publication Reference

- [Functional Heterodimerization between the G Protein-Coupled Receptor GPR17 and the Chemokine Receptors 2 and 4: New Evidence.](#)

Simona Daniele, Simona Saporiti, Stefano Capaldi, Deborah Pietrobono, Lara Russo, Uliano Guerrini, Tommaso Laurenzi, Elham Ataie Kachoe, Luca Palazzolo, Vincenzo Russo, Maria Pia Abbraccio, Ivano Eberini, Maria Letizia Trincavelli.

International Journal of Molecular Sciences 2022 Dec; 24(1):261.

Application: ELISA, WB-Ce, Hamster, CHO cells

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Chorioamnionitis](#)
- [Conduct Disorder](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Maduromycosis](#)
- [Meningeal Neoplasms](#)

- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Invasiveness](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Periodontal Diseases](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoma](#)
- [Stomach Neoplasms](#)
- [Tuberculosis](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)