

Anti-CXCR1 Antibody

Catalog # ABO11386

Specification

Anti-CXCR1 Antibody - Product Information

Application WB, IHC-P
Primary Accession P25024
Host Reactivity Human
Clonality Polyclonal
Format Lyophilized

Description

Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 1(CXCR1) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CXCR1 Antibody - Additional Information

Gene ID 3577

Other Names

C-X-C chemokine receptor type 1, CXC-R1, CXCR-1, CDw128a, High affinity interleukin-8 receptor A, IL-8R A, IL-8 receptor type 1, CD181, CXCR1, CMKAR1, IL8RA

Calculated MW

39791 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat
blot, 0.1-0.5 μ g/ml, Human
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Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Protein Name

C-X-C chemokine receptor type 1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human CXCR1(24-38aa DEDYSPCMLETETLN).

Purification

Immunogen affinity purified.



Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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.

Anti-CXCR1 Antibody - Protein Information

Name CXCR1

Synonyms CMKAR1, IL8RA

Function

Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor (PubMed:1840701). 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:8662698).

Cellular Location

Cell membrane; Multi-pass membrane protein.

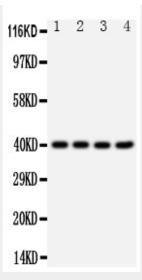
Anti-CXCR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

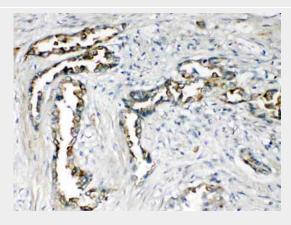
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CXCR1 Antibody - Images





Anti-CXCR1 antibody, ABO11386, Western blottingAll lanes: Anti CXCR1 (ABO11386) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ugLane 3: M231 Whole Cell Lysate at 40ugLane 4: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 40KDObserved bind size: 40KD



Anti-CXCR1 antibody, ABO11386, IHC(P)IHC(P): Human Lung Cancer Tissue

Anti-CXCR1 Antibody - Background

CXCR1(Chemokine,CXC Motif, Receptor 1), also known as IL8RA or IL8R1, is a chemokine receptor. IL8RA is its human gene. Morris et al.(1992) mapped the IL8RA gene to chromosome 2q35. Hartl et al.(2007) concluded that CXCR1 cleavage and its functional consequences represent an important pathophysiologic mechanism in CF and other neutrophilic airway diseases. Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor. Binding of IL-8 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 IL-8 with a high affinity and to MGSA(GRO) with a low affinity.