

Anti-CXCR1 Antibody

Catalog # ABO11386

Product Information

Application	WB, IHC-P
Primary Accession	P25024
Host	Rabbit
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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Source	Eukaryota
Protein Name	C-X-C chemokine receptor type 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
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 reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the G-protein coupled receptor 1 family.

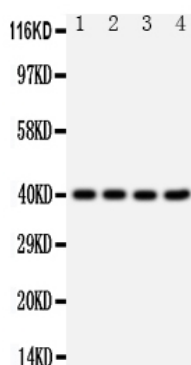
Protein Information

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.

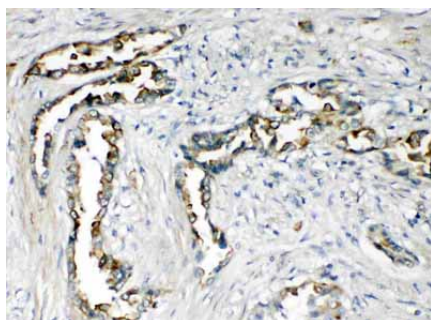
Background

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.

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

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