SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CXCR1 antibody

Catalog Number: SL1009R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CXCR1
Immunogen:	KLH conjugated synthetic peptide derived from human CXCR1: 186-280/350 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Rabbit)
Predicted MW.:	40kDa
Subcellular Location:	The cell membrane
Background:	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. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, 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, Jul 2008] **Function:** 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. **Subcellular Location:** Cell membrane.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 3577 Human **Entrez Gene:** 227288 Mouse **Entrez Gene:** 54258 Rat Omim: 146929 Human **SwissProt:** P25024 Human **SwissProt:** Q810W6 Mouse **SwissProt:** P70612 Rat **Unigene:** 194778 Human **Unigene:** 337035 Mouse **Unigene:** 138115 Rat CXCR1It is mainly expressed on the surface of infiltrating inflammatory cells and intestinal epithelial cells..

[VALIDATION IMAGES]

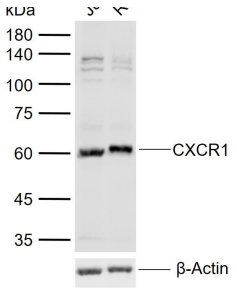


Figure 1. Sample: Lane 1: Human Jurkat cell lysates Lane 2: Human Raji cell lysates Primary: Anti-CXCR1 (SL1009R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 61 kDa

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