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## **CXCR4 (N) Antibody, Rabbit Polyclonal**

**Cat#: R0067-1**

**Quantity: 100 ul**

**Predicted M.W.: 40 kDa**

**Lot#: Refer to vial**

**Application: WB, ELISA**

**Uniprot ID: P61073**

### **Background:**

Chemokine (C-X-C motif) receptor 4 (CXCR4) is the receptor for cell-derived factor-1. It transduces signals that increase intracellular calcium ion levels. It also enhances MAPK/MAPK3 activation and reduces cellular cAMP levels. It is involved in hematopoiesis and in cardiac ventricular septum formation. CXCR4 also plays a role in vascularization of the gastrointestinal tract. Mutations in the gene that codes for CXCR4 have been associated with WHIM (warts, hypogammaglobulinemia, infections and myelokathexis) syndrome. CXCR4 acts as a co-receptor, along with CD4 protein to support HIV entry into cells. CXCR4 is also highly expressed in breast cancer cells.

### **Other Names:**

CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NP

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human CXCR4. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

Human

### **Recommended Conditions:**

WB: 1:1,000-1:5,000 (detect endogenous protein\*)

ELISA: > 10,000 (detect immunogen)

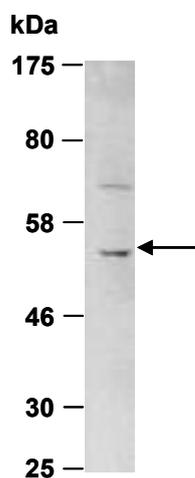
\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.



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**Product Data:**



**Fig 1.** Western blot of total cell extracts from human Jurkat, using Ab (R0067-1) at RT for 2 h.

Last Update: 03/2011

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