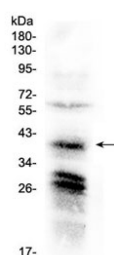


## CXCR4 Antibody (R32743)

Catalog No.	Formulation	Size
R32743	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	P61073
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This CXCR4 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with CXCR4 antibody at 0.5ug/ml. Predicted molecular weight ~40 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

CXCR4 (Chemokine, CXC Motif, Receptor 4), also known as FUSIN or NPY3R, is a protein that in humans is encoded by the CXCR4 gene. It is the receptor for the CXC chemokine SDF1 that has essential functions on embryo organogenesis, immunological functions and T lymphocyte trafficking. CXCR4 is the only SDF1 receptor identified so far. This suggests that CXCR4 expression is critical for the biological effects of SDF1. CXCR4 is also a seven-transmembrane-spanning, G-protein-coupled receptor for the CXC chemokine PBSF/SDF-1. It functions as a co-receptor for T-cell-line tropic human immunodeficiency virus HIV-1. It was concluded that PBSF/SDF-1 and CXCR4 define a new signalling system for organ vascularization.

## Application Notes

Optimal dilution of the CXCR4 antibody should be determined by the researcher.

## Immunogen

Amino acids 265-294 (ILLEIIKQGCEFENTVHKWISITEALAFFH) from the human protein were used as the immunogen for the CXCR4 antibody.

## Storage

After reconstitution, the CXCR4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.