

Datasheet for ABIN3030515
anti-CXCR4 antibody (AA 31-43)



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2 Images

Overview

Quantity:	100 µg
Target:	CXCR4
Binding Specificity:	AA 31-43
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 31-43 (EENANFNKIFLPT) were used as the immunogen for this CXCR4 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	Chemokine, CXC Motif, Receptor 4, also known as FUSIN or NPY3R, is a protein that in humans is encoded by the CXCR4 gene. By PCR analysis of human/hamster hybrid cell DNA, Herzog et al.(1993) showed that the NPY3R gene is located on human chromosome 2. Feng et al.(1996) showed that transient expression of the gene allowed nonhuman cells coexpressing

Target Details

recombinant CD4 to undergo Env-CD4-mediated cell fusion and productive HIV-1 infection. Peled et al.(1999) demonstrated that SDF1 and its receptor CXCR4 are critical for murine bone marrow engraftment by human SCID repopulating stem cells. Treatment of human cells with anti-CXCR antibodies prevented engraftment.

UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

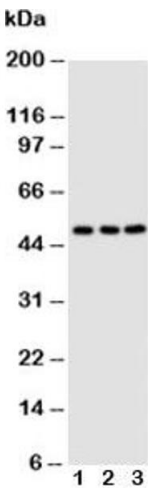
Application Details

Application Notes:	Titration of the CXCR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

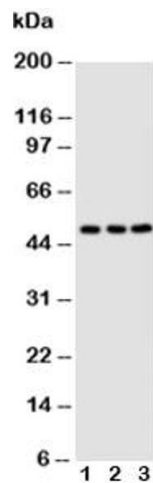
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the CXCR4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of CXCR4 antibody; Lane 1: M231; 2: MCF-7; 3: Jurkat cell lysate



Western Blotting

Image 2. Western blot testing of CXCR4 antibody