Datasheet for ABIN2779387

anti-CXCR4 antibody (N-Term)

7 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	CXCR4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CXCR4
Sequence:	MEGISIYTSD NYTEEMGSGD YDSMKEPCFR EENANFNKIF LPTIYSIIFL
Predicted Reactivity:	Horse: 89%, Human: 91%, Mouse: 77%, Pig: 91%, Rabbit: 85%, Rat: 77%
Characteristics:	This is a rabbit polyclonal antibody against CXCR4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)

Target Details

Background:	CXCR4 is a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Alias Symbols: CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPYY3R, WHIM Protein Interaction Partner: UBC, ITCH, nef, P4HB, CD4, env, MYBL2, ST13, ATP13A2, CXCL12, PTPN11, STAM, CAV1, SUMO4, HLA-C, SDC4, HSPA8, GNA13, STAT5B, SOCS3, SOCS1, CCR5, PTK2, STAT2, STAT1, JAK3, DPP4, PTPN6, VAV1, CXCR4, MYH9, PTPRC, JAK2, JAK1, GNAI1, ELANE, CTSG, ADRBK2, ARRB2, Protein Size: 352
Molecular Weight:	40 kDa
Gene ID:	7852
NCBI Accession:	NM_003467, NP_003458
UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 352 AA
Restrictions:	For Research Use only

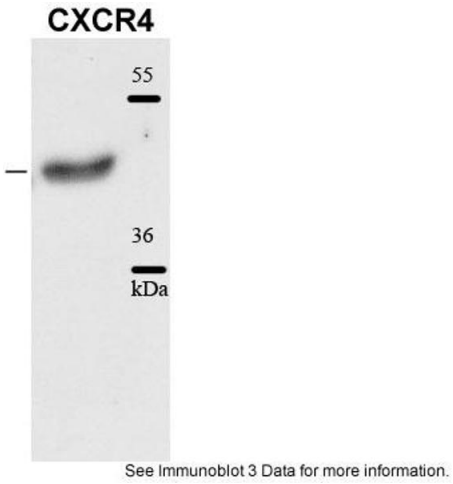
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



See Immunoblot 3 Data for more information.

Western Blotting

Image 1. Sample type: human aveolar basal endothelial cells (25ug)

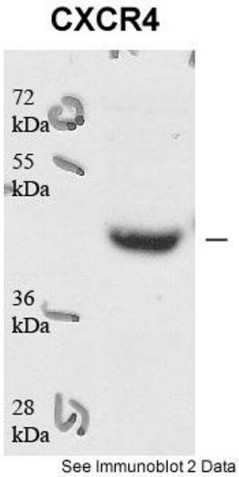
Primary Dilution: 1:1000

Secondary Antibody: Goat anti-Rabbit-HRP

Secondary Dilution: 1:5000

Image Submitted by: Andreas Eisenreich

Charite Universitatsmedizin Berlin



See Immunoblot 2 Data for more information.

Western Blotting

Image 2. Sample type: human microvascular endothelial cells (25ug)

Primary Dilution: 1:1000

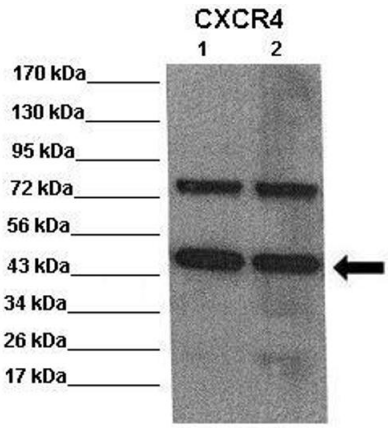
Secondary Antibody: Goat anti-Rabbit-HRP

Secondary Dilution: 1:5000

Image Submitted by: Andreas Eisenreich

Charite Universitatsmedizin Berlin

Images



Western Blotting

Image 3. WB Suggested Anti-CXCR4 Antibody Positive Control: Lane 1: 20ug mouse brain extract Lane 2: 20ug mouse brain extract Primary Antibody Dilution : 1:500 Secondary Antibody : Anti rabbit-HRP Secondry Antibody Dilution : 1:5,000 Submitted by: Scott Wilson, University of Alabama at Birmingham

Please check the product details page for more images. Overall 7 images are available for ABIN2779387.