

Datasheet for ABIN1512796
anti-CXCR4 antibody (AA 1-100)



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2 Images

Overview

Quantity:	100 µg
Target:	CXCR4
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CXCR4 (NP_003458.1).
Sequence:	MEGISIYTSN NYTEEMGSGD YDSMKEPCFR EENANFNKIF LPTIYSIIFL TGIVGNGLVI LVMGYQKKLR SMTDKYRLHL SVADLLFVIT LPFWAVDAVA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CXCR4
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Target Details

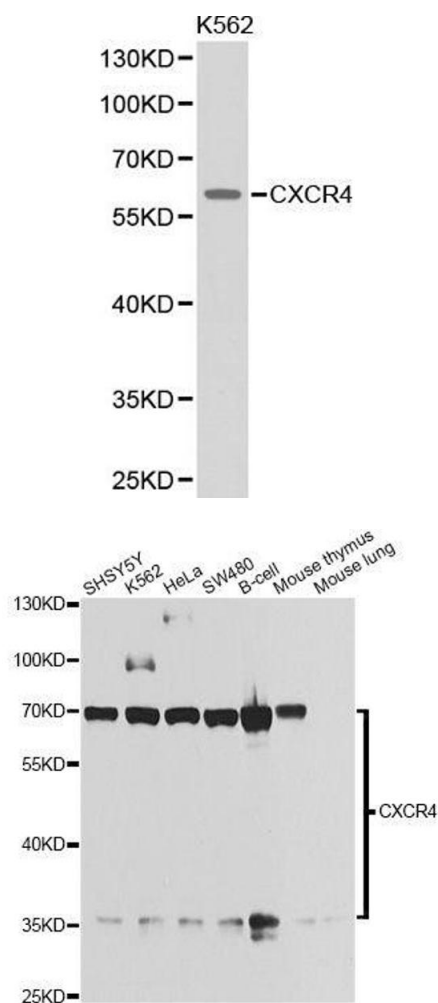
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed 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.,CD184,D2S201E,FB22,HM89,HSY3RR,LAP-3,LAP3,LCR1,LESTR,NPY3R,NPYR,NPYRL,NPYY3R,WHIM,WHIMS,CXCR4,Cancer,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Immunology & Inflammation,CD markers,Cell Intrinsic Innate Immunity Signaling Pathway,Chemokines,Chemokine,Neuroscience,Stem Cells,Endothelial Progenitors,Hematopoietic Progenitors,Neural Stem Cells,Cardiovascular,Angiogenesis,CXCR4
Molecular Weight:	39 kDa/40 kDa
Gene ID:	7852
UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

Application Details

Application Notes:	WB,1:500 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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 freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of K562 cell line, using CXCR4 antibody.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CXCR4 antibody.