

CXCR4 Polyclonal Antibody

Catalog No.	A1303	Category	Polyclonal Antibodies
Applications	WB	Observed MW	36kDa/70kDa
Cross-reactivity	Human, Mouse	Calculated MW	39kDa/40kDa

Immunogen Information

Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CXCR4 (NP_003458.1).
Gene ID	7852
Swiss prot	P61073
Synonyms	CXCR4; CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPY Y3R; WHIM; WHIMS; C-X-C chemokine receptor type 4

Product information

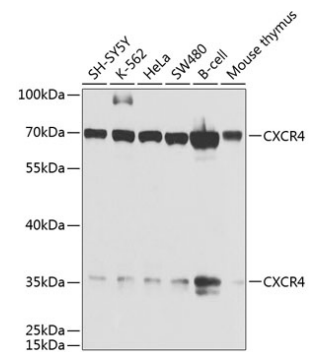
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB 1:500 - 1:1000



Western blot analysis of extracts of various cell lines, using CXCR4 antibody (A1303) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.