

Datasheet for ABIN7146108
anti-CXCR4 antibody (AA 1-356) (Biotin)



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Overview

Quantity:	100 µg
Target:	CXCR4
Binding Specificity:	AA 1-356
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human C-X-C chemokine receptor type 4 protein (1-356AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	Background: Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ion levels and enhancing MAPK1/MAPK3 activation. Acts as a

Target Details

receptor for extracellular ubiquitin, leading to enhanced intracellular calcium ions and reduced cellular cAMP levels. Involved in hematopoiesis and in cardiac ventricular septum formation. Also plays an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodeling processes in endothelial cells. Involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival.

Aliases: C-X-C chemokine receptor type 4 antibody, CD184 antibody, CD184 antigen antibody, Chemokine (C X C motif) receptor 4 antibody, Chemokine CXC Motif Receptor 4 antibody, CXCR4 antibody, CXCR-4 antibody, CXCR4_HUMAN antibody, D2S201E antibody, FB22 antibody, Fusin antibody, HM89 antibody, HSY3RR antibody, LAP 3 antibody, LAP3 antibody, LCR1 antibody, LESTR antibody, Leukocyte derived seven transmembrane domain receptor antibody, Leukocyte-derived seven transmembrane domain receptor antibody, Lipopolysaccharide associated protein 3 antibody, Neuropeptide Y receptor Y3 antibody, NPY3R antibody, NPYR antibody, NPYRL antibody, NPY3 antibody, NPY3R antibody, Probable G protein coupled receptor lcr1 homolog antibody, SDF 1 receptor antibody, SDF-1 receptor antibody, SEVEN-TRANSMEMBRANE-SEGMENT RECEPTOR antibody, Stromal cell derived factor 1 receptor antibody, Stromal cell-derived factor 1 receptor antibody, WHIM antibody, WHIMS antibody

UniProt: [P61073](#)

Pathways: [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.