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Datasheet for ABIN7146107  
**anti-CXCR4 antibody (AA 1-356)**

3 Images

### Overview

Quantity:	100 µg
Target:	CXCR4
Binding Specificity:	AA 1-356
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

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

### Target Details

Target:	CXCR4
Alternative Name:	CXCR4 ( <a href="#">CXCR4 Products</a> )
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

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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, 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, NPYY3 antibody, NPYY3R 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

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UniProt: [P61073](#)

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

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:200-1:500,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: ProClin

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

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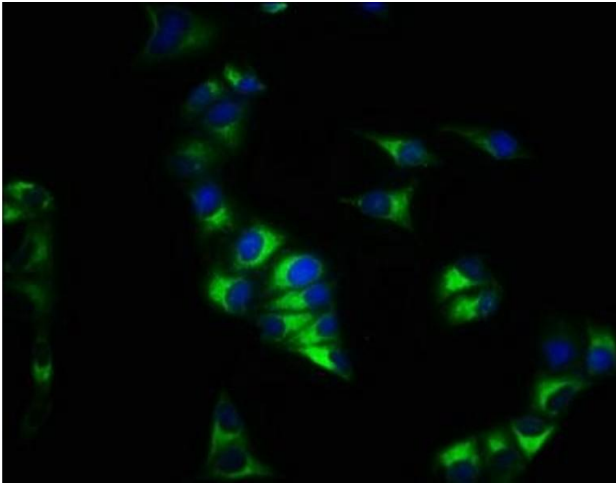
Storage: -20 °C,-80 °C

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## Handling

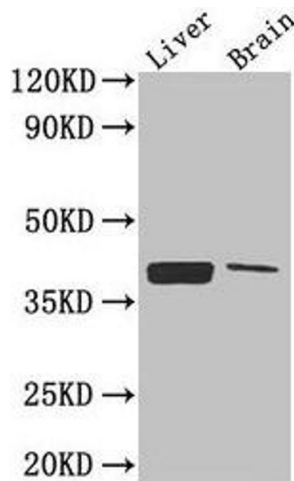
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



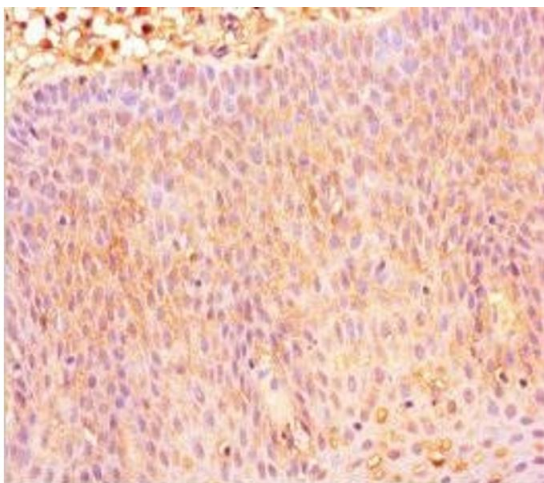
### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells with ABIN7146107 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse liver tissue, Mouse brain tissue All lanes: CXCR4 antibody at 2.6 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 40, 41 kDa Observed band size: 40 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7146107 at dilution of 1:100