

Datasheet for ABIN6261127
anti-CXCR4 antibody (C-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CXCR4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human CXCR4, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	CXCR4 Antibody detects endogenous levels of total CXCR4.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CXCR4
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Target Details

Alternative Name:	CXCR4 (CXCR4 Products)
Background:	<p>Description: 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 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.</p> <p>Gene: CXCR4</p>
Molecular Weight:	39 kDa
Gene ID:	7852
UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

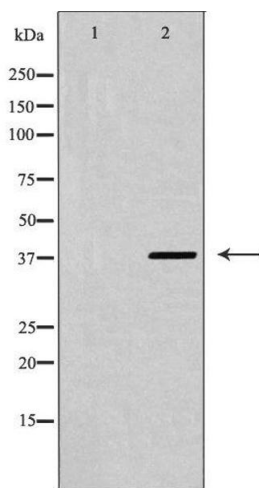
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

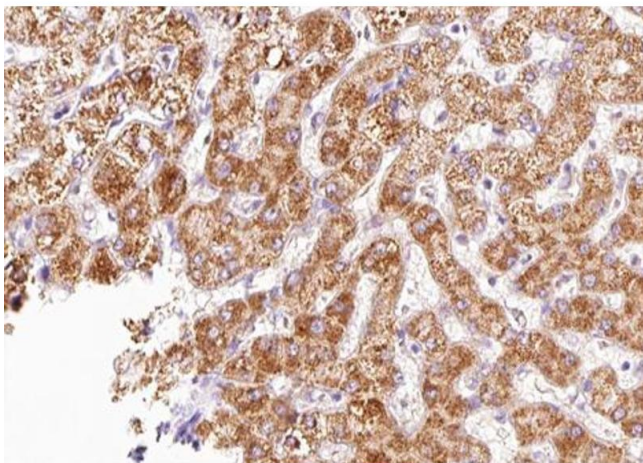
Product cited in: He, Cao, Liu, Li, Xu, Liu, Shi: "Quercetin reverses experimental pulmonary arterial hypertension by modulating the TrkA pathway." in: **Experimental cell research**, Vol. 339, Issue 1, pp. 122-34, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of CXCR4 expression in K562 cells, The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6268827 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.