

**Anti-CXCR3 Picoband Antibody**  
**Catalog # ABO11792****Specification****Anti-CXCR3 Picoband Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P49682</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 3(CXCR3) detection. Tested with WB, IHC-P in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-CXCR3 Picoband Antibody - Additional Information**

**Gene ID** 2833

**Other Names**

C-X-C chemokine receptor type 3, CXC-R3, CXCR-3, CKR-L2, G protein-coupled receptor 9, Interferon-inducible protein 10 receptor, IP-10 receptor, CD183, CXCR3, GPR9

**Calculated MW**

40660 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, By Heat  
Western blot, 0.1-0.5 µg/ml, Human

**Subcellular Localization**

Isoform 1: Cell membrane ; Multi-pass membrane protein .

**Tissue Specificity**

Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta. Isoform 2 is expressed in endothelial cells. Expressed in T-cells (at protein level). .

**Protein Name**

C-X-C chemokine receptor type 3

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived human CXCR3 recombinant protein (Position: M1-L368). Human CXCR3 shares 86%

amino acid (aa) sequence identity with both mouse and rat CXCR3.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the G-protein coupled receptor 1 family.

**Anti-CXCR3 Picoband Antibody - Protein Information**

**Name** CXCR3

**Synonyms** GPR9

**Function**

[Isoform 1]: Receptor for the C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G- protein signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/12782716" target="\_blank">12782716</a>). Binds to CCL21. Probably promotes cell chemotaxis response. Upon activation by PF4, induces activated T-lymphocytes migration mediated via downstream Ras/extracellular signal-regulated kinase (ERK) signaling. [Isoform 3]: Mediates the activity of CXCL11.

**Cellular Location**

[Isoform 1]: Cell membrane; Multi-pass membrane protein

**Tissue Location**

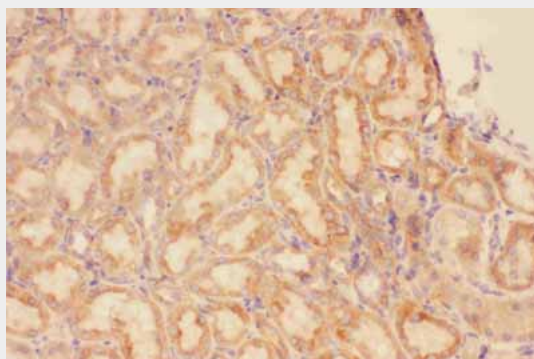
Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta. Isoform 2 is expressed in endothelial cells. Expressed in T-cells (at protein level).

**Anti-CXCR3 Picoband Antibody - Protocols**

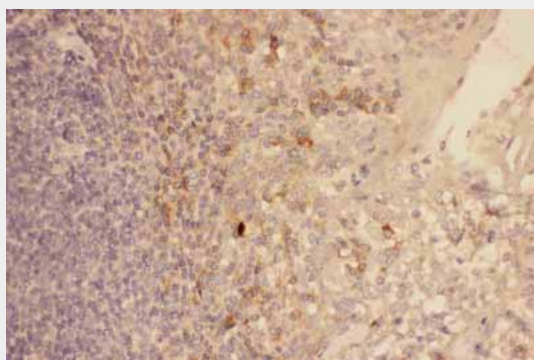
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

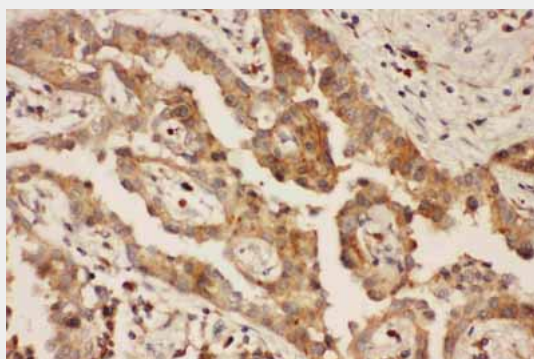
**Anti-CXCR3 Picoband Antibody - Images**



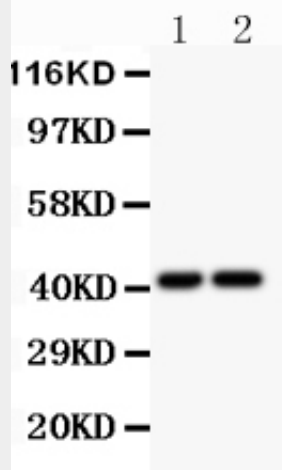
Anti-CXCR3 Picoband antibody, ABO11792-1.JPGIHC(P): Rat Kidney Tissue



Anti-CXCR3 Picoband antibody, ABO11792-2.JPGIHC(P): Human Tonsil Tissue



Anti-CXCR3 Picoband antibody, ABO11792-3.JPGIHC(P): Human Lung Cancer Tissue



Anti-CXCR3 Picoband antibody, ABO11792-4.jpg All lanes: Anti-CXCR3(ABO11792) at 0.5ug/ml Lane 1: Colo320 Whole Cell Lysate at 40ug Lane 2: SGC Whole Cell Lysate at 40ug Predicted bind size: 41KD Observed bind size: 41KD

### Anti-CXCR3 Picoband Antibody - Background

Chemokine receptor CXCR3 is a G $\alpha$ hi protein-coupled receptor in the CXC chemokine receptor family. Other names for CXCR3 are G protein-coupled receptor 9 (GPR9) and CD183. It is mapped to Xq13.1. CXCR3 is expressed on malignant B cells from chronic lymphoproliferative disorders, particularly in patients with CLL, and represents a fully functional receptor involved in chemotaxis of malignant B lymphocytes. It is found that in the absence of known etiologic agents, CXCR3 represents a novel target for therapeutic interference early in type 1 diabetes. CXCR3 signaling is associated with MG pathogenesis and proposed that and CXCR3 may serve as novel drug targets to treat MG. CXCR3A and CXCR3B are involved in the chemotactic and vascular effects of CXCL4L1.