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Anti-CXCR3 Picoband Antibody

Catalog # ABO11792

Specification

Anti-CXCR3 Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P49682
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 Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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:12782716). 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 Cytomety
- Cell Culture

Anti-CXCR3 Picoband Antibody - Images

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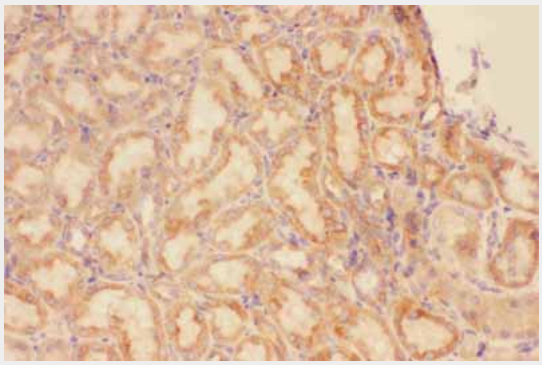
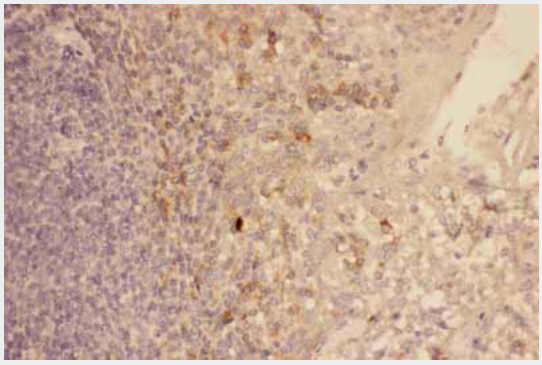
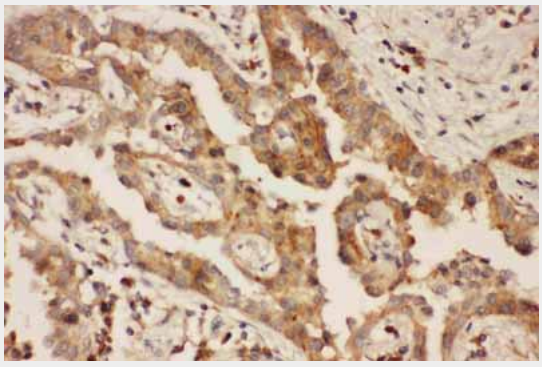


Anti-CXCR3 Picoband antibody, ABO11792-1.JPGIHC(P): Rat Kidney Tissue



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



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

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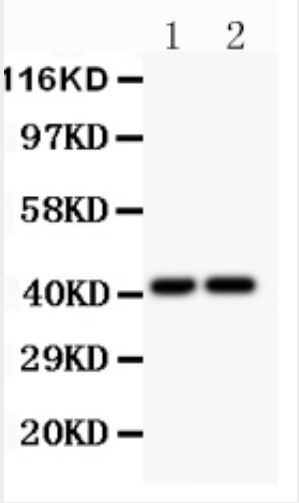

Anti-CXCR3 Picoband antibody, ABO11792-4.jpgAll lanes: Anti-CXCR3(ABO11792) at 0.5ug/mlLane 1: Colo320 Whole Cell Lysate at 40ugLane 2: SGC Whole Cell Lysate at 40ugPredicted bind size: 41KDObserved bind size: 41KD

Anti-CXCR3 Picoband Antibody - Background

Chemokine receptor CXCR3 is a Galphai 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.