

Anti-CXCR3 Picoband Antibody

Catalog # ABO11792

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.

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
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). .
Source	Eukaryota
Protein Name	C-X-C chemokine receptor type 3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

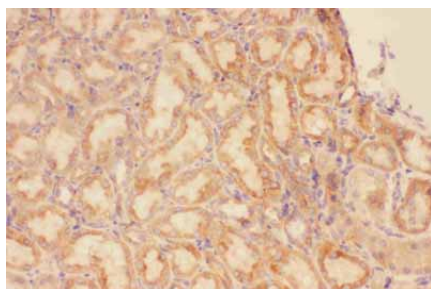
Protein Information

Name	CXCR3
Synonyms	GPR9
Function	[Isoform 1]: Receptor for the C-X-C chemokines 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). Probably promotes cell chemotaxis response. Upon activation by PF4, induces activated T- lymphocyte 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).

Background

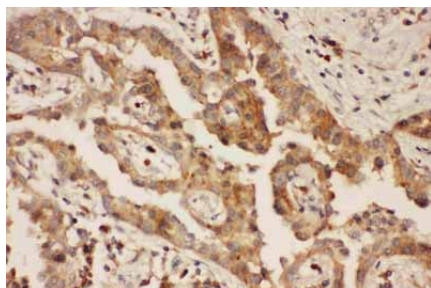
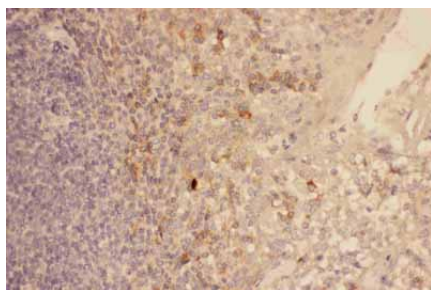
Chemokine receptor CXCR3 is a Galphai protein-coupled receptor in the CXC chemokine receptor family. Other names for CXCR3 are G protein-coupled receptor 9 (GPR9) and CD183. It is mapped to Xq13.1. CXCR3 is expressed on malignant B cells from chronic lymphoproliferative disorders, particularly in patients 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.

Images

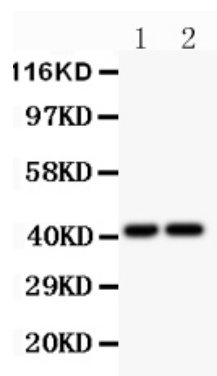


Anti-CXCR3 Picoband antibody, ABO11792-1.JPGIHC(P):
Rat Kidney Tissue

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.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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.