



CXCR-3 Polyclonal Antibody

Catalog No	YP-Ab-13188
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CXCR3
Protein Name	C-X-C chemokine receptor type 3
Immunogen	The antiserum was produced against synthesized peptide derived from human CXCR3. AA range:161-210
Specificity	CXCR-3 Polyclonal Antibody detects endogenous levels of CXCR-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CXCR3; GPR9; C-X-C chemokine receptor type 3; CXCR-3; CXCR-3; CKR-L2; G protein-coupled receptor 9; Interferon-inducible protein 10 receptor; IP-10 receptor; CD antigen CD183
Observed Band	40kD
Cell Pathway	[Isoform 1]: Cell membrane ; Multi-pass membrane protein .; [Isoform 2]: 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).
Function	function:Receptor for CXCL9, CXCL10 and CXCL11 and mediates the proliferation of human mesangial cells (HMC). Isoform 2 is a receptor for CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the growth of human microvascular endothelial cells (HMVEC). Isoform 2 may play a role in angiogenesis. Isoform 3 mediates activity of CXCL11.,online information:CXC chemokine receptors entry,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta.,

Background

C-X-C motif chemokine receptor 3(CXCR3) Homo sapiens This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716). [provided by RefSeq, Jun 2011],

matters needing attention

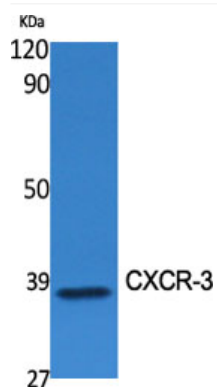
Avoid repeated freezing and thawing!

Usage suggestions

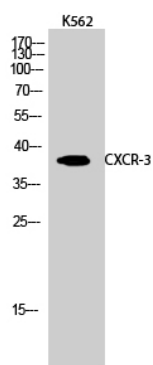
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



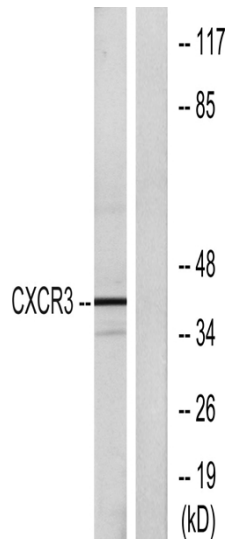
Products Images



Western Blot analysis of various cells using CXCR-3 Polyclonal Antibody



Western Blot analysis of K562 cells using CXCR-3 Polyclonal Antibody



Western blot analysis of lysates from K562 cells, using CXCR3 Antibody. The lane on the right is blocked with the synthesized peptide.