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CXCR3 Antibody

Rabbit mAb
Catalog # AP91443

Product Information

Application	WB, IF, ICC, IP
Primary Accession	P49682
Reactivity	Human
Clonality	Monoclonal
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; GPR9; CXCR3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	40660

Additional Information

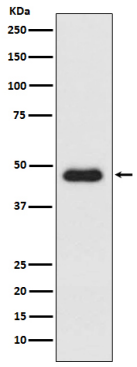
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CXCR3
Description	Receptor for CXCL9, CXCL10 and CXCL11 and mediates the proliferation of human mesangial cells (HMC). Isoform 2 is a receptor for CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the growth of human microvascular endothelial cells (HMVEC). May play a role in angiogenesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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).

Images



Western blot analysis of CXCR3 expression in K562 cell lysate.

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