10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD183 Antibody

Catalog # AP51135

Product Information

Application	WB, IHC
Primary Accession	P49682
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40660

Additional Information

Gene ID	2833
Other Names	GPR9; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD183. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

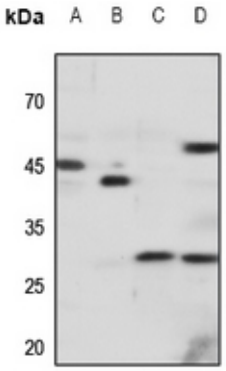
Name	CXCR3
Synonyms	GPR9
Function	[Isoform 1]: Receptor for the C-X-C chemokines CXCL9, CXCL10 and CXCL11, and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G- protein signaling pathway (PubMed:12782716). Probably promotes cell chemotaxis 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).

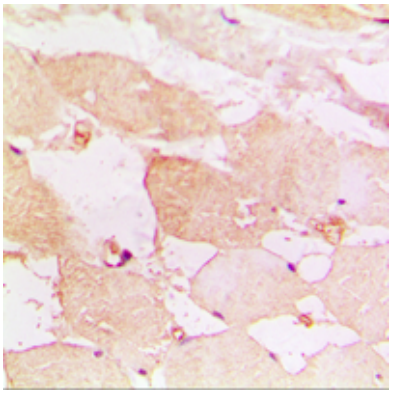
References

Loetscher M.,et al.J. Exp. Med. 184:963-969(1996).
Lasagni L.,et al.J. Exp. Med. 197:1537-1549(2003).
Petrai I.,et al.Int. J. Biochem. Cell Biol. 40:1764-1774(2008).
Gutierrez J.,et al.Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.
Warren C.N.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of CD183 expression in HEK293T (A), Hela (B), mouse heart (C), mouse kidney (D) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 45; 40; 28 kD)



Immunohistochemical analysis of CD183 staining in human muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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