

CD183 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51135**Specification**

CD183 Antibody - Product Information

Application	WB
Primary Accession	P49682
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa
Antigen Region	151 - 210

CD183 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

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

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD183 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

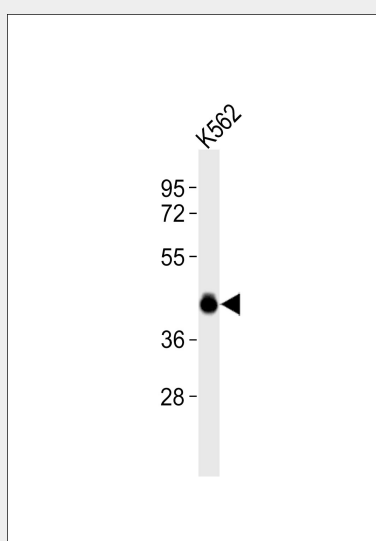
Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta. Isoform 2 is expressed in endothelial cells. Expressed in T-cells (at protein level).

CD183 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 Cytometry](#)
- [Cell Culture](#)

CD183 Antibody - Images



Anti-CD183 Antibody at 1:1000 dilution + K562 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41,46,29 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

CD183 Antibody - Background

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CD183 Antibody - 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.