

# CD183 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51135

## Product Information

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Application	WB
Primary Accession	<a href="#">P49682</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40660

## Additional Information

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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 derived from human CD183
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

## Protein Information

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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: <a href="#">12782716</a> ). 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).

## Background

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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.  
Isoform 3: Mediates the activity of CXCL11.

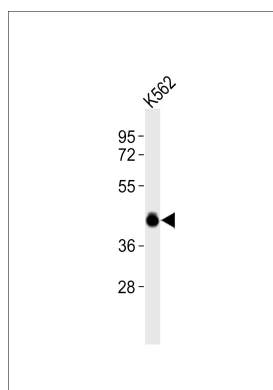
## References

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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

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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.

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