

CXCR3 / GPR9 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2512a**Specification**

CXCR3 / GPR9 Antibody (C-Term) - Product Information

Application	IHC, IF, FC, Pep-ELISA
Primary Accession	P49682
Other Accession	NP_001495.1 , 2833 , 12766 (mouse) , 84475 (rat)
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	40660

CXCR3 / GPR9 Antibody (C-Term) - 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

Dilution

IHC~~1:100~500

IF~~1:50~200

FC~~1:10~50

Pep-ELISA~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CXCR3 / GPR9 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

CXCR3 / GPR9 Antibody (C-Term) - 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

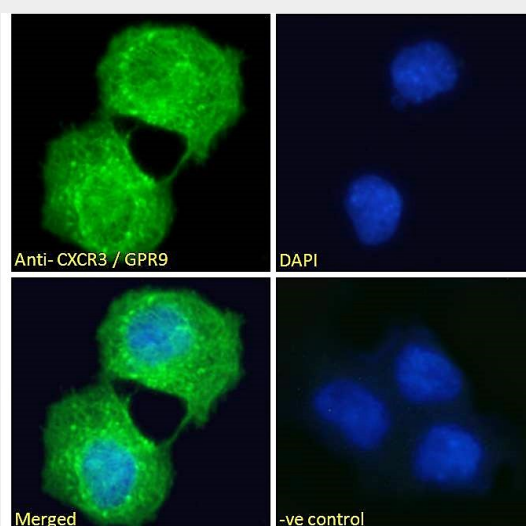
Tissue Location

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).

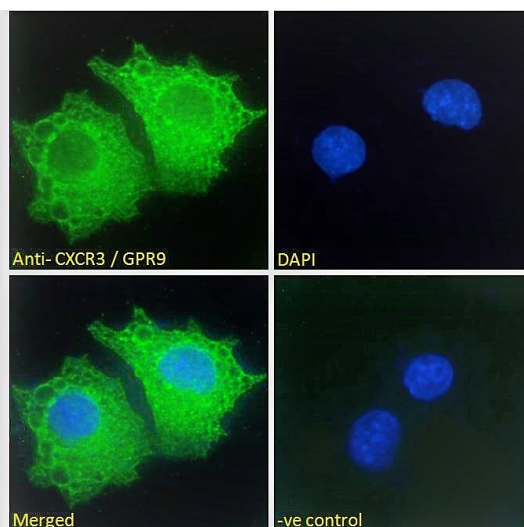
CXCR3 / GPR9 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

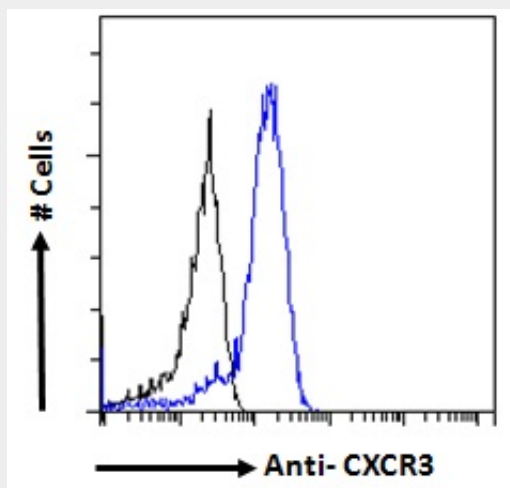
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CXCR3 / GPR9 Antibody (C-Term) - Images

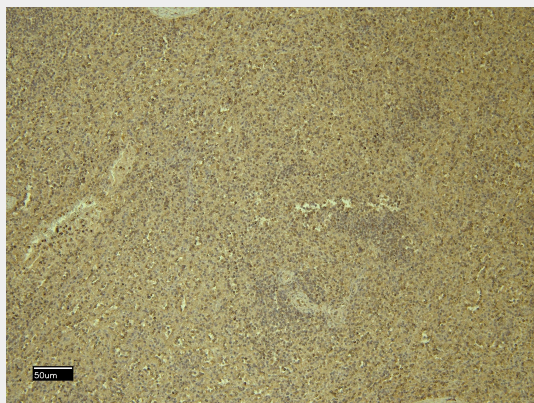
EB07201 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue)



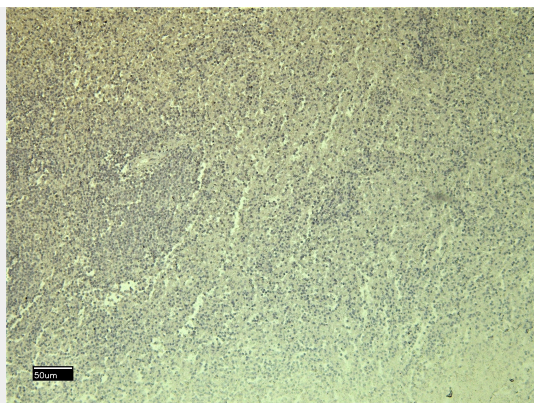
EB07201 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue)



EB07201 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) for



EB07201 (8ug/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07201 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.

CXCR3 / GPR9 Antibody (C-Term) - References

CXCR3/CXCL10 expression in the synovium of children with juvenile idiopathic arthritis. Martini G, Zulian F, Calabrese F, Bortoli M, Facco M, Cabrelle A, Valente M, Zacchello F, Agostini C. Arthritis Res Ther. 2005;7(2):R241-9. Epub 2005 Jan 7. PMID: 15743470