## **German Research Products - GRP GmbH**

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## **Product Datasheet**

## **CXCR4 Polyclonal Antibody GRP331**

**Description** Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces

a signal by increasing intracellular calcium ion levels and enhancing MAPK1/MAPK3 activation. Acts as a receptor for extracellular ubiquitin; leading to enhanced intracellular calcium ions and reduced cellular cAMP levels. Involved in hematopoiesis and in cardiac ventricular septum formation. Also plays an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodeling

processes in endothelial cells. Involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 X4 isolates and as a primary receptor for some HIV-2 isolates. Promotes Env-mediated fusion of the virus. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes.

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications FC, IHC-P, WB

Immunogen KLH conjugated synthetic peptide derived from human CXCR4

(public\_immunogen\_range: 217-241/352)

Form/Appearance Aqueous buffered solution containing 1% BSA, 50% glycerol and

0.09% sodium azide.

Concentration 1ug/ul

**Storage** Store at -20°C for 12 months.

**Note** For research use only.

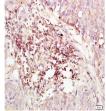
**Isotype** IgG

**Clonality** Polyclonal

**Purity** Purified by Protein A.

Entrez 7852

**Dilution Range** WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400



WB of GRP331



IHC-P of GRP331