

CXCR4 Antibody

Leukocyte-derived seven transmembrane domain receptor

CATALOG NO.: XW-7735

BACKGROUND:

FUNCTION: Receptor for the C-X-C chemokine SDF-1. Transduces a signal by increasing the intracellular calcium ions level. Involved in haematopoiesis and in cardiac ventricular septum formation. Plays also an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodelling processes in endothelial cells. Could be involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival. Acts as a primary receptor for some HIV-2 isolates and as a coreceptor with CD4 for HIV-1 X4 viruses (lymphocyte-tropic HIV-1 viruses, also called syncytium-inducing (SI) strains). Promotes Env-mediated fusion of the virus

TESTED APPLICATION:

WB

SPECIES REACTIVITY:

H,M,R,B

CLONALITY:

Polyclonal

HOST:

Chicken

IMMUNOGEN:

13666

PROTEIN GI #:

4503175

PROTEIN ACCESSION #:

NP_003458.1

PURIFICATION:

Immunoaffinity Purified

BUFFER:

Phosphate-Buffered Saline. No preservatives added.

APPLICATION:

C-X-C chemokine receptor type 4 IgY antibody can be used for the detection of C-X-C chemokine receptor type 4 by Western Blot.

E coli-derived fusion protein as test antigen. Affinity-purified IgY dilution: 1:2000, Goat anti-IgY-HRP dilution: 1:1000. Colorimetric method for signal development.

STORAGE:

This antibody can be stored at 4°C for short term (weeks). Long term storage should be at -20°C. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.