

CCR4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10631**Specification**

CCR4 Antibody - Product Information

Application	WB
Primary Accession	P51679
Reactivity	Human, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41403

CCR4 Antibody - Additional Information**Gene ID** 1233

Application & Usage	Western blotting (2-6 µg/ml). However, the optimal concentrations should be determined individually.
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Other Names

C-C chemokine receptor 4, CCR 4, chemokine C C motif receptor 4 , C-C CKR-4, K5-5

Target/Specificity

CCR4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

CCR4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCR4 Antibody - Protein Information

Name CCR4

Synonyms CMKBR4

Function

High affinity receptor for the C-C type chemokines CCL17/TARC, CCL22/MDC and CKLF isoform 1/CKLF1. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Predominantly expressed in the thymus, in peripheral blood leukocytes, including T-cells, mostly CD4+ cells, and basophils, and in platelets; at lower levels, in the spleen and in monocytes (PubMed:10754297, PubMed:9169480). Detected also in macrophages, IL-2-activated natural killer cells and skin-homing memory T-cells, mostly the ones expressing the cutaneous lymphocyte antigen (CLA). Expressed in brain microvascular and coronary artery endothelial cells (PubMed:10754297).

CCR4 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](#)

CCR4 Antibody - Images

CCR4 Antibody - Background

CCR4 is a chemokine receptor and is preferentially expressed on type 2 helper T (Th2-type) cells. In contrast to other chemokine receptors, the expression of CCR4 and CCR8 on Th2 cells is transiently increased following TCR and CD28 engagement. Moreover, activated Th1 cells up-regulate CCR4 expression and functional responsiveness to thymus- and activation-regulated chemokine.