**Anti-CCR4 antibody** ab216560

**Product name**  
Anti-CCR4 antibody

**Description**  
Rabbit polyclonal to CCR4

**Host species**  
Rabbit

**Tested applications**  
Suitable for: IHC-P

**Species reactivity**  
Reacts with: Rat, Human  
Predicted to work with: Mouse

**Immunogen**  
Synthetic peptide within Human CCR4 aa 200-250 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary.  
Sequence:  
VLSSLEINILGLVIPLGLMFLCYSMIIRTLQHCKNEKKNKAVKMIFAVVVL

Database link: P51679

**Positive control**  
Human hepatitides tissue, rat cells, rat exfoliated cells tissue

**Properties**

**Form**  
Liquid

**Storage instructions**  

**Storage buffer**  
Preservative: 0.09% Sodium azide  
 Constituents: 1% BSA, 50% Glycerol

**Purity**  
Protein A purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

**Applications**

Our Abpromise guarantee covers the use of ab216560 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Target**

**Function**

High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. 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.

**Tissue specificity**

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. 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.

**Sequence similarities**

Belongs to the G-protein coupled receptor 1 family.

**Post-translational modifications**

In natural killer cells, CCL22 binding induces phosphorylation on yet undefined Ser/Thr residues, most probably by beta-adrenergic receptor kinases 1 and 2.

**Cellular localization**

Cell membrane.

**Images**

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of Human hepatitides tissue labeling CCR4 with ab216560 at a 1/200 dilution, followed by conjugation to a secondary antibody and DAB staining.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of Rat exfoliated cell tissue labeling CCR4 with ab216560 at a 1/200 dilution, followed by conjugation to a secondary antibody and DAB staining.

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