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Anti-CCR3 Antibody
Catalog # ABO11486

Specification

Anti-CCR3 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P51677
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for C-C chemokine receptor type 3(CCR3) detection. Tested with WB, IHC-P, ICC in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CCR3 Antibody - Additional Information

Gene ID 1232

Other Names
C-C chemokine receptor type 3, C-C CKR-3, CC-CKR-3, CCR-3, CCR3, CKR3, Eosinophil eotaxin receptor, CD193, CCR3, CMKBR3

Calculated MW
41044 MW KDa

Application Details
Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cell membrane; Multi-pass membrane protein.

Tissue Specificity
In eosinophils as well as trace amounts in neutrophils and monocytes.

Protein Name
C-C chemokine receptor type 3

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human CCR3(1-20aa MTTSLDTVETFGTTSYYDDV).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the G-protein coupled receptor 1 family.

Anti-CCR3 Antibody - Protein Information

Name CCR3

Synonyms CMKBR3

Function
Receptor for C-C type chemokine. Binds and responds to a variety of chemokines, including CCL11, CCL26, CCL7, CCL13, RANTES(CCL5) and CCL15 (PubMed:7622448, PubMed:8642344, PubMed:8676064). Subsequently transduces a signal by increasing the intracellular calcium ions level (PubMed:8676064). In addition acts as a possible functional receptor for NARS1 (PubMed:30171954).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
In eosinophils as well as trace amounts in neutrophils and monocytes.

Anti-CCR3 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 Cytomety
- Cell Culture

Anti-CCR3 Antibody - Images

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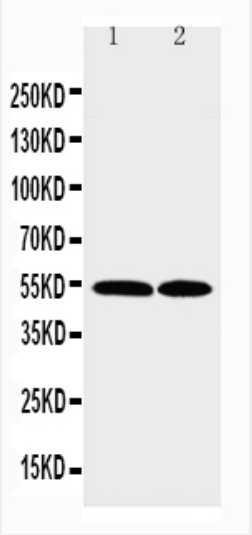
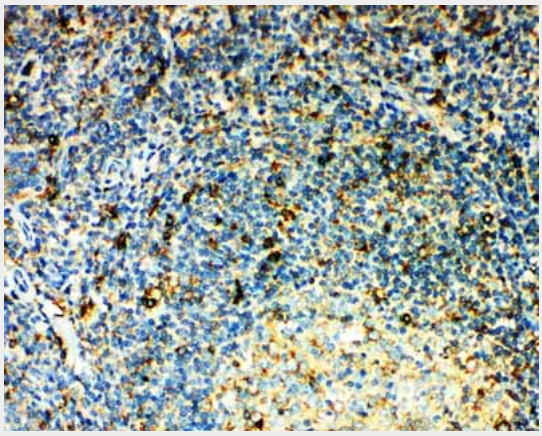


Anti-CCR3 antibody, ABO11486, Western blottingLane 1: K562 Cell LysateLane 2: RAJI Cell Lysate



Anti-CCR3 antibody, ABO11486, IHC(P)IHC(P): Human Tonsil Tissue

Anti-CCR3 Antibody - Background

C-C chemokine receptor type 3, also called CCR3 or CKR3 is a protein that in humans is encoded by the CCR3 gene. The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. This receptor binds and responds to a variety of chemokines, including eotaxin(CCL11), eotaxin-3(CCL26), MCP-3(CCL7), MCP-4(CCL13), and RANTES(CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. Alternatively spliced transcript variants have been described.