

CCR3 Antibody

Rabbit mAb

Catalog # AP90562

Product Information

| | |
|--------------------------|---|
| Application | WB, IHC, IF, ICC, IHF |
| Primary Accession | P51677 |
| Reactivity | Rat, Human, Mouse |
| Clonality | Monoclonal |
| Other Names | CCR3; CD193; CCCKR3; CMKBR3; CKR3; CMKBR1L2; C-C chemokine receptor type 3; |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 41044 |

Additional Information

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|-------------------------------------|---|
| Dilution | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human CCR3 |
| Description | Receptor for a C-C type chemokine. Binds to eotaxin, eotaxin-3, MCP-3, MCP-4, RANTES and MIP-1 delta. Subsequently transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

Protein Information

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|-----------------|---|
| Name | CCR3 |
| Synonyms | CMKBR3 |
| Function | G protein-coupled receptor (GPCR) that plays a key role in the immune system by regulating the migration and activation of white blood cells in response to chemokines (PubMed: 28994588). Selectively interacts with eosinophil-attracting chemokines such as eotaxin/CCL11, eotaxin-2/CCL24 and eotaxin-3/CCL26 (PubMed: 7622448 , PubMed: 8642344 , PubMed: 8676064). Ligand binding triggers intracellular signaling that leads to chemotaxis of immune cells. Mechanistically, signals through GNA14 or GNA16 to induce stimulation of phospholipase C β /PLCB2 and subsequently chemotaxis (PubMed: 18406577). Alternatively, transduces signal via GNAI1 resulting in elevated intracellular calcium levels and activation of the PI3K/AKT pathway (PubMed: 8676064 , PubMed: 35570218). May also act as a possible functional receptor for NARS1 (PubMed: 30171954). |

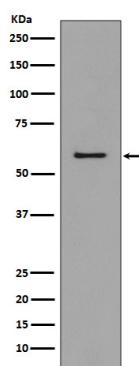
Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

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

Images



Western blot analysis of CCR3 expression in K562 cell lysate.

Image not found : 202311/AP90562-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human epidermal cells of skin, using CCR3 Antibody .

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