

Product datasheet for **AP23286PU-N**

CCR5 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: Use at 0.5-1 µg/ml with the appropriate system to detect CCR5 in cells and tissues. Immunohistochemistry on Paraffin Sections: Use at 0.5 mg-2 µg/ml to detect CCR5 in formalin fixed and paraffin embedded tissues. Boiling Sections is recommended.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a sequence at the N-terminal of Human CCR5
Specificity:	This antibody detects CD195 / CCR5 (N-term).
Formulation:	0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ State: Aff - Purified State: Lyophilized purified Ig fraction Stabilizer: 5 mg BSA Preservative: 0.05 mg Thimerosal, 0.05 mg Sodium Azide
Reconstitution Method:	Restore with 0.2 ml of distilled water to a concentration of 0.5 mg/ml.
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine receptor 5 (gene/pseudogene)
Database Link:	Entrez Gene 12774 Mouse Entrez Gene 117029 Rat Entrez Gene 1234 Human P51681



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Background:

Human CC chemokine receptor 5 (CCR5), which is 17.5 kb from the CMKBR2 gene, encodes a 352-amino acid protein with a calculated molecular mass of 40,600 Da. It is organized into four exons and two introns. Human CCR5 is a co-receptor for macrophage-tropic strains of human immunodeficiency virus (HIV)-1 and is expressed by bone-marrow-derived cells. CCR5 is expressed on neurons, astrocytes, and microglia in the central nervous system, and on epithelium, endothelium, vascular smooth muscle and fibroblasts in other tissues. Functionally, CCR5 mediates the activation of cells by the chemokines macrophage inflammatory protein-1alpha, macrophage inflammatory protein-1beta, and RANTES, and serves as a fusion cofactor for macrophage-tropic strains of human immunodeficiency virus type 1.

Synonyms:

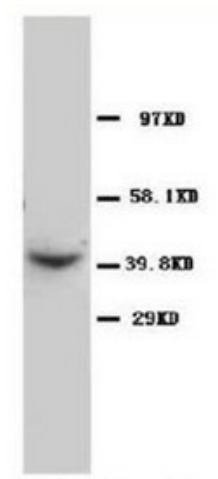
C-C chemokine receptor type 5, C-C CKR-5, CC-CKR-5, CCR-5, CMKBR5, CHEMR13

Protein Families:

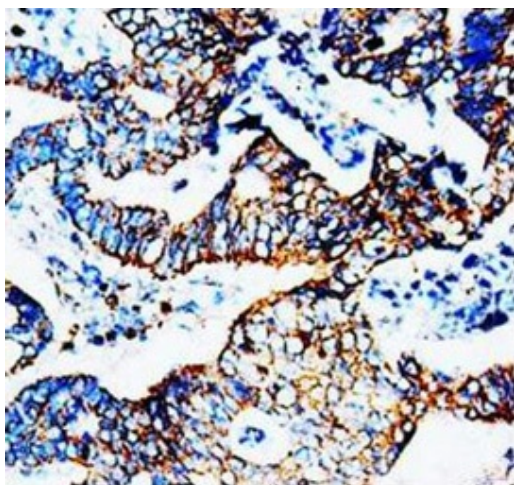
Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis

Product images:

Western blot analysis of rat liver tissue lysis using CCR5 antibody



Immunohistochemical analysis of paraffin embedded rectal carcinoma sections, staining CCR5 in cytoplasm, DAB chromogenic reaction