

AP01295PU-N**Polyclonal Antibody to CD197 / CCR7 - Aff - Purified**

Alternate names:	BLR2, C-C CKR-7, C-C chemokine receptor type 7, CC-CKR-7, CCR-7, CMKBR7, EBI1, EBV-induced G-protein coupled receptor 1, EVI1, MIP-3 beta receptor
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	C-C or β chemokine family members are characterized by a pair of adjacent cysteine residues and serve as potent chemoattractants and activators of monocytes and T cells. C-C chemokine receptor family members include CKR-1, CKR-2A, CKR-2B, CKR-3, CKR-4, CKR-5, CKR-6, CKR-7 and the Duffy blood group antigen. Each of these receptors are G protein-coupled, seven pass transmembrane domain proteins whose major physiological role is to function in the chemotaxis of T cells and phagocytic cells to areas of inflammation. However, this receptor family has also been shown to facilitate viral infection. Termed a co-receptor, CKR-5, along with CD4, has been shown to be a major receptor for HIV. CKR-5 tends to associate with macrophagetropic viruses, such as macrophage tropic HIV-1, while CKR-2B and CKR-3 bind a minority of viruses.
Uniprot ID:	P32248
NCBI:	NP_001829
GeneID:	1236
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 280-330 of Human CCR7.
Format:	State: Liquid purified Ig fraction Purification: Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS), pH 7.2 Preservatives: 0.05% Sodium azide
Applications:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 43 kDa
Specificity:	This antibody detects endogenous levels of CD197 / CCR7 (CKR-7) (region surrounding Arg209).
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Western blot (WB) analysis of CCR7 antibody (Cat.-No.: AP01295PU-N) at 1/500 dilution
Lane1: Hela cell lysate
Lane2: sp2/0 cell lysate
Lane3: PC12 cell lysate

