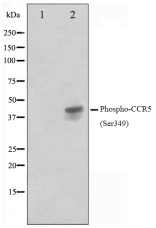
Phospho-CCR5(Ser349) Ab

Cat.#: AF0018	Concn.: 1mg/ml	Mol.Wt.: 40kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-CCR5(Ser349) Ab detects endogenous levels of CCR5 only when phosphorylated at Sersine 349.
Immunogen:	A synthesized peptide derived from human CCR5 around the phosphorylation site of Ser349.
Uniprot:	P51681
Description:	CCR5 a 7-transmembrane G-linked receptor for a number of inflammatory C-C type chemokines including MIP-1-alpha, MIP-1-beta and RANTES. Transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Acts as a coreceptor (along with CD4) for HIV-1 R5 isolates. Interacts with PRAF2. Interacts with HIV-1 surface protein gp120. Efficient ligand binding to CCL3/MIP-1alpha and CCR4/MIP-1beta requires sulfation, O-glycosylation and sialic acid modifications. Glycosylation on S6 is required for efficient binding of CCL4.
Subcellular Location:	Cell membrane.
Tissue Specificity:	Highly expressed in spleen, thymus, in the myeloid cell line THP-1, in the promyeloblastic cell line KG-1a and on CD4+ and CD8+ T-cells. Medium levels in peripheral blood leukocytes and in small intestine. Low levels in ovary and lung.
Similarity:	Belongs to the G-protein coupled receptor 1 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on Jurkat cell lysates using Phospho-CCR5(Ser349) Ab.The lane on the left was treated with the antigen-specific peptide.

AF0018 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.