

Anti-CCR6 Rabbit pAb



WLA0613

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-CCR6 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:1000-1:2000
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

CCR6, Also known as CD196, it is a member of the beta chemokine receptor family, similar to G protein coupled receptors. This receptor is expressed in most subsets of B cells, memory T cells, and dendritic cells. CCR6 is a specific receptor for the C-C chemokine CCL20, which binds to CCL20 and transmits signals by increasing intracellular calcium ion concentration. The ligand receptor combination CCL20-CCR6 is responsible for mediating chemotaxis of immature dendritic cells, effector/memory T cells, and B cells, and plays a critical role in skin and mucosal surfaces under steady-state and inflammatory conditions, as well as pathological processes including cancer and rheumatoid arthritis. CCR6 actively regulates sperm motility and chemotaxis by binding to CCL20. Although CCL20 is its main ligand, CCR6 can also serve as a receptor for non chemokine ligands such as beta blockers. The signal transduction mediated by CCR6 is crucial for the immune response of intestinal mucosa to microorganisms, as well as the regulation of inflammatory responses caused by tissue damage and trauma.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of CCR6.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

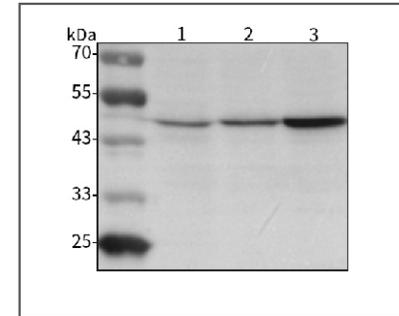
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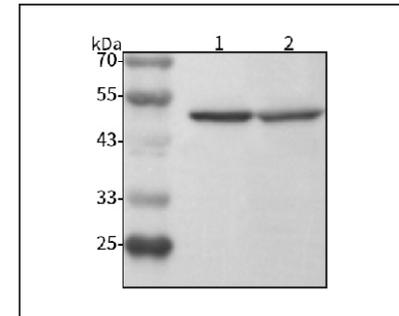
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Product Images



Western blot-Anti-CCR6 pAb

Lane 1: Human HCT116 cell lasate
 Lane 2: Human TPC-1 cell lasate
 Lane 3: Human A2870 cell lasate
 All lanes: Anti-CCR6 at 1:2000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 42 kDa
 Observed band size: 50 kDa



Western blot-Anti-CCR6 pAb

Lane 1: Mouse spleen tissue lysate
 Lane 2: Rat spleen tissue lysate
 All lanes: Anti-CCR6 at 1:2000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 42 kDa
 Observed band size: 50 kDa