

Anti-CXCR-4 Rabbit pAb



WL02421

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-CXCR-4 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:200
Cellular localization	Cell membrane	
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	CXCR4 is a chemokine receptor that belongs to the G protein-coupled receptor family. It is activated by a small cytokine, CXCL12, also known as stromal cell derived factor 1 (SDF-1). The main function of CXCR4 is the mediation of the homing of progenitor cells in the bone marrow and their recruitment to sites of injury. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. More recently, CXCR4 has been studied, as a potential therapeutic target, in the context of autoimmune diseases as well as cancer, as the receptor is involved in the regulation of migration, proliferation, and survival of cancer cells.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of CXCR-4.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

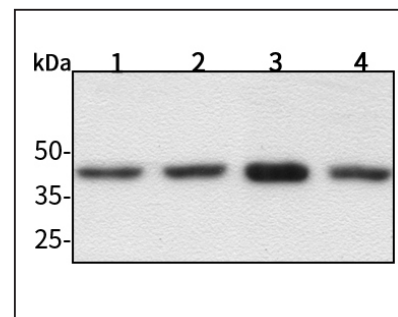
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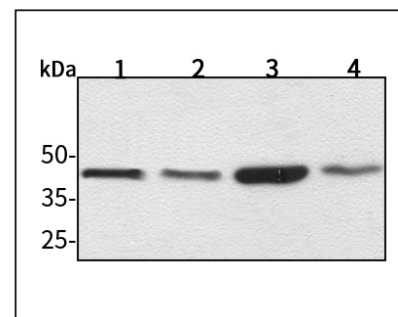
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Product Images



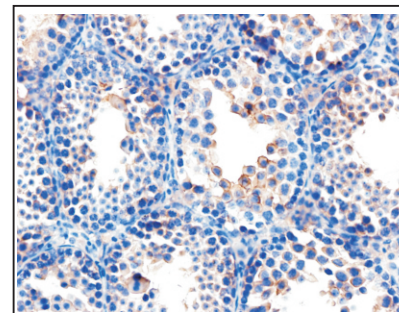
Western blot-Anti-CXCR-4 pAb

Lane 1: Human BGC-823 cell lysate
 Lane 2: Human MGC-803 cell lysate
 Lane 3: Human SGC-7901 cell lysate
 Lane 4: Human MCF-7 cell lysate
 All lanes: Anti-CXCR-4 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 40 kDa
 Observed band size: 40-70 kDa



Western blot-Anti-CXCR-4 pAb

Lane 1: Mouse heart tissue lysate
 Lane 2: Mouse liver tissue lysate
 Lane 3: Rat brain tissue lysate
 Lane 4: Rat lung tissue lysate
 All lanes: Anti-CXCR-4 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 40 kDa
 Observed band size: 40-70 kDa



Immunohistochemistry-Anti-CXCR-4 pAb

Immunohistochemical analysis of paraffin-embedded mouse testicle using anti-CXCR-4 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

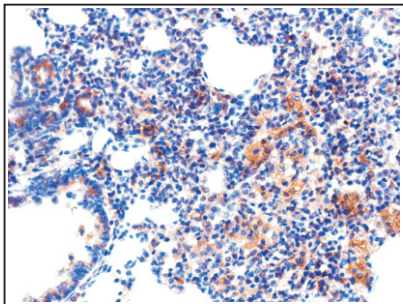
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Immunohistochemistry-Anti-CXCR-4 pAb

Immunohistochemical analysis of paraffin-embedded rat lung (LPS treated) using anti-CXCR-4 Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0