

For Research Use Only

# CXCR7 Recombinant antibody

Catalog Number:83927-1-RR



## Basic Information

<b>Catalog Number:</b> 83927-1-RR	<b>GenBank Accession Number:</b> BC036661	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57007	<b>CloneNo.:</b> 240842C9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P25106	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) receptor 7	
<b>Immunogen Catalog Number:</b> AG14247	<b>Calculated MW:</b> 362 aa, 41 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, K-562 cells, Raji cells, U-87 MG cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> Jurkat cells,

## Background Information

CXCR7 (C-X-C chemokine receptor type 7), also known as RDC1, is a G-protein coupled receptor family member. CXCR7 can bind the chemokines CXCL11 and CXCL12 with high affinity, and it also acts as a coreceptor with CXCR4 for a restricted number of HIV isolates. The expression of CXCR7 has been associated with cardiac development, tumor growth, and progression.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

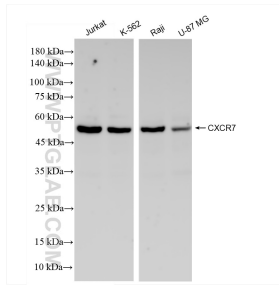
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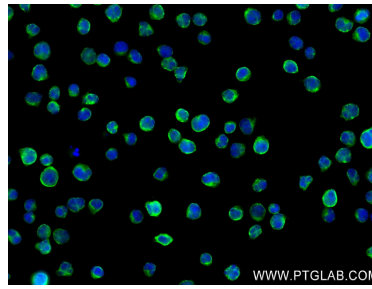
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83927-1-RR (CXCR7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CXCR7 antibody (83927-1-RR, Clone: 240842C9) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).