

Datasheet for ABIN7043043

**anti-CXCR7 antibody (Extracellular, N-Term)**[Go to Product page](#)**2** Images

## Overview

Quantity:	25 µL
Target:	CXCR7
Binding Specificity:	AA 2-16, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR7 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DVHLFDYVEPGNYSD, corresponding to amino acid residues 2-16 of rat CXCR7 (ACKR3)
Isotype:	IgG
Characteristics:	Anti-CXCR7 (ACKR3) (extracellular) Antibody (ABIN7043043, ABIN7044181 and ABIN7044182)) is a highly specific antibody directed against an epitope of the rat CXCR7 chemokine receptor. The antibody can be used in western blot analysis. The antibody recognizes an extracellular epitope and is thus ideal for detecting the receptor in living cells. It has been designed to recognize CXCR7 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

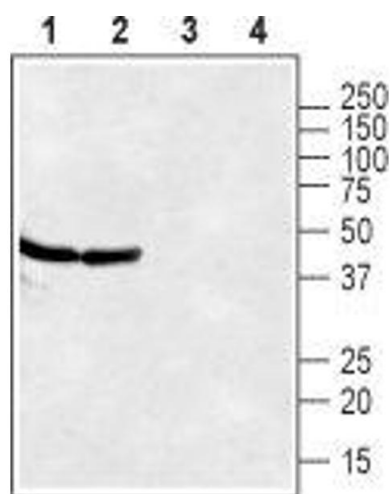
Target:	CXCR7
Alternative Name:	CXCR7 (ACKR3) ( <a href="#">CXCR7 Products</a> )
Background:	Alternative names: CXCR7 (ACKR3), Atypical chemokine receptor 3, C-X-C chemokine receptor type 7, CXCR-7, Chemokine orphan receptor 1, G-protein coupled receptor RDC1 homolog, CMKOR1, GPR159
Gene ID:	84348
NCBI Accession:	<a href="#">NM_020311</a>
UniProt:	<a href="#">O89039</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

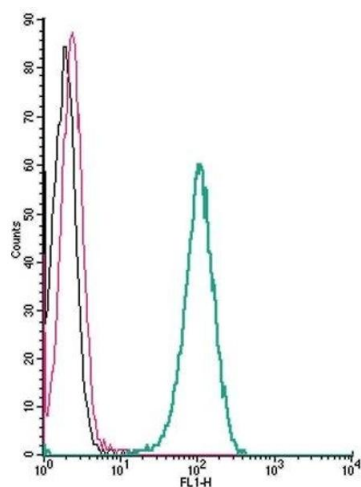
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-CXCR7 (ACKR3) (extracellular) Antibody (ABIN7043043, ABIN7044181 and ABIN7044182), (1:400).3,4. Anti-CXCR7 (ACKR3) (extracellular) Antibody, preincubated with CXCR7/ACKR3 (extracellular) Blocking Peptide (#BLP-CR037).



### Flow Cytometry

**Image 2.** Cell surface detection of CXCR7 by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-CXCR7 (ACKR3) (extracellular) Antibody (ABIN7043043, ABIN7044181 and ABIN7044182), (2.5  $\mu$ g) + goat-anti-rabbit-FITC.