

Datasheet for ABIN7043040

anti-CXCR4 antibody (Extracellular, N-Term)



[Go to Product page](#)

4 Images

Overview

Quantity:	50 µL
Target:	CXCR4
Binding Specificity:	AA 2-15, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EGISYITSDNYTEE, corresponding to amino acid residues 2-15 of human CXCR4
Isotype:	IgG
Characteristics:	Anti-CXCR4 (extracellular) Antibody (ABIN7043040, ABIN7044166 and ABIN7044167)) is a highly specific antibody directed against an extracellular epitope of the human CXCR4 chemokine receptor. The antibody can be used for western blot, immunocytochemistry, immunohistochemistry, and indirect flow cytometry applications. It has been designed to recognize CXCR4 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

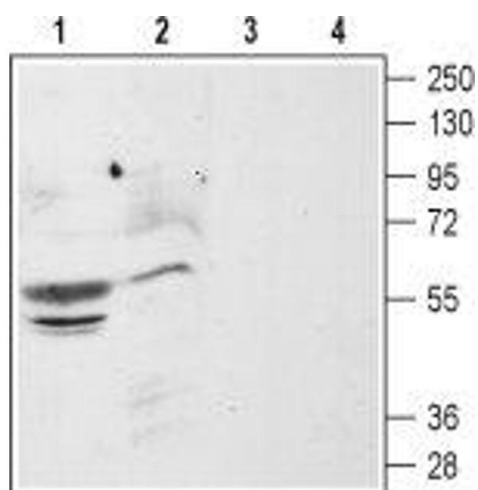
Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	Alternative names: CXCR4, C-X-C chemokine receptor type 4, CD184, Fusin, LESTR, NPYRL, SDF-1 receptor, WHIMS
Gene ID:	7852
NCBI Accession:	NM_001008540
UniProt:	P61073
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events

Application Details

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

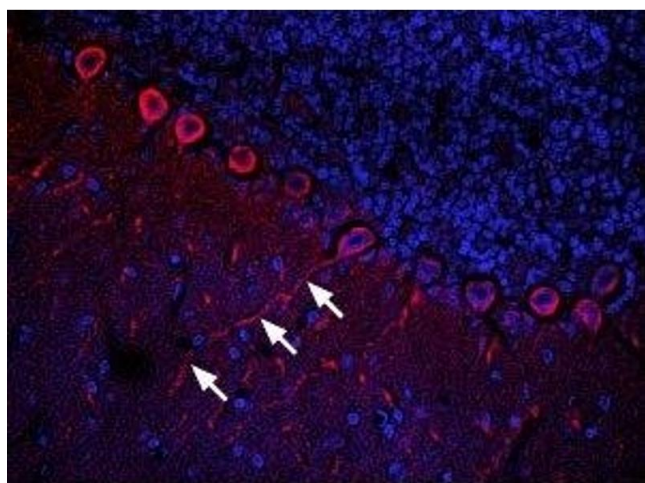
Handling

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>



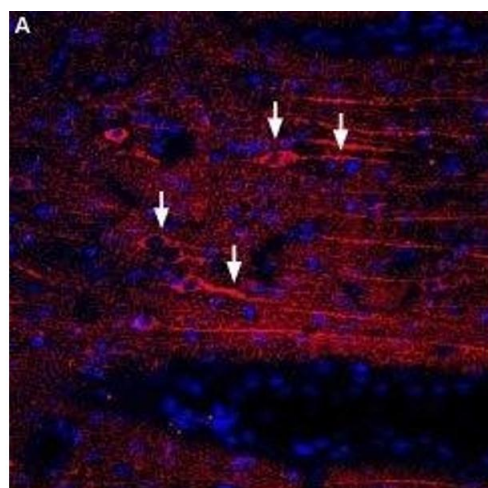
Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-CXCR4 (extracellular) Antibody (ABIN7043040, ABIN7044166 and ABIN7044167), (1:200).3,4. Anti-CXCR4 (extracellular) Antibody, preincubated with CXCR4 (extracellular) Blocking Peptide (#BLP-CR014).



Immunohistochemistry

Image 2. Expression of CXCR4 in rat cerebellum - Immunohistochemical staining of rat cerebellum frozen section using Anti-CXCR4 (extracellular) Antibody (ABIN7043040, ABIN7044166 and ABIN7044167), (1:100). CXCR4 is expressed in Purkinje cell bodies and axonal prolongations (arrows). Hoechst 33342 is used as the counterstain.



Immunohistochemistry

Image 3. Expression of CXCR4 in rat brain - Immunohistochemical staining of rat temporal cortex using Anti-CXCR4 (extracellular) Antibody (ABIN7043040, ABIN7044166 and ABIN7044167), (1:400) followed by donkey anti-rabbit-biotin and streptavidin labeled with Cy3. A. CXCR4 staining (red) appears in neuronal soma and processes (arrows). DAPI is used as the counterstain (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043040.