

Datasheet for ABIN3043018  
**anti-CXCR2 antibody (Middle Region)****2** Images**5** Publications[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CXCR2
Binding Specificity:	AA 196-212, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 2(CXCR2) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human CXCR2(196-212aa CYEDMGNNNTANWRMLLR), different from the related mouse sequence by six amino acids.
Sequence:	CYEDMGNNNTA NWRMLLR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 2(CXCR2) detection. Tested with WB in Human,Mouse,Rat.  Gene Name: chemokine(C-X-C motif) receptor 2

## Product Details

Protein Name: C-X-C chemokine receptor type 2(CXC-R2/CXCR-2)

Purification: Immunogen affinity purified.

## Target Details

Target: CXCR2

Alternative Name: CXCR2 ([CXCR2 Products](#))

Background: CXCR2 is a receptor for Interleukin 8, which is a powerful neutrophil chemotactic factor. It is a member of the GPCR family(subfamily, chemokine). Binding of IL8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL8 with a high affinity and to GRO/MGSA and NAP2 also with a high affinity. It has been reported to be expressed in a wide variety of tissues. ESTs have been isolated from human placenta and thymus libraries.

Synonyms: C-X-C chemokine receptor type 2 antibody|CD 182 antibody|CD182 antibody|CD182 antigen antibody|CDw128b antibody|Chemokine(CXC) receptor 2 antibody|CMKAR2 antibody|CXC-R2 antibody|CXCR 2 antibody|CXCR-2 antibody|CXCR2 antibody|CXCR2\_HUMAN antibody|GRO/MGSA receptor antibody|High affinity interleukin-8 receptor B antibody|IL 8 receptor type 2 antibody|IL 8R B antibody|IL-8 receptor type 2 antibody|IL-8R B antibody|IL8 RB antibody|IL8 receptor type 2 antibody|IL8R B antibody|IL8R2 antibody|IL8RA antibody|Interleukin 8 Receptor B antibody

UniProt: [P25025](#)

Pathways: [cAMP Metabolic Process](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

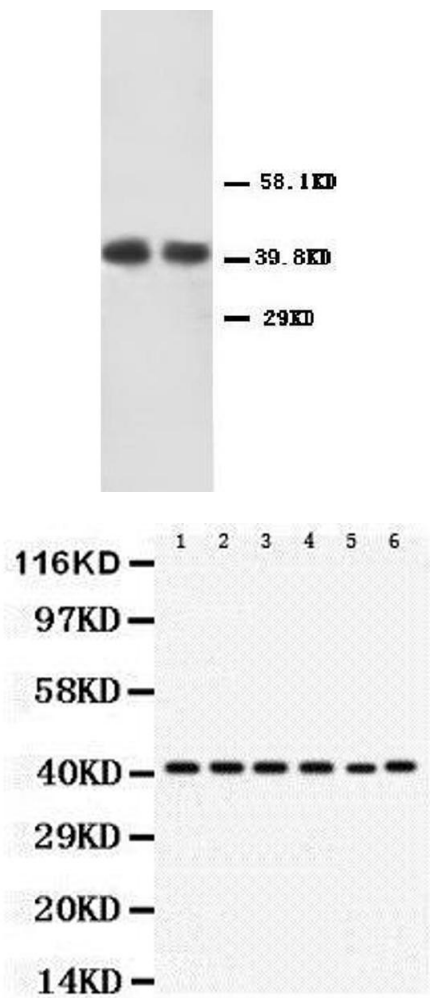
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Publications

Product cited in:	<p>Zhang, Wu: "Fasudil inhibits proliferation and migration of Hep-2 laryngeal carcinoma cells." in: <b>Drug design, development and therapy</b>, Vol. 12, pp. 373-381, (2018) (<a href="#">PubMed</a>).</p> <p>Zhou, Wu, Ma, Xiao, Yu, Yang, Xu, Zhang, Zhou, Ye, Wang: "Attenuation of TGFBR2 expression and tumour progression in prostate cancer involve diverse hypoxia-regulated pathways." in: <b>Journal of experimental &amp; clinical cancer research : CR</b>, Vol. 37, Issue 1, pp. 89, (2018) (<a href="#">PubMed</a>).</p> <p>Schwartz, Bochkariov: "Novel chemiluminescent Western blot blocking and antibody incubation solution for enhanced antibody-antigen interaction and increased specificity." in: <b>Electrophoresis</b>, Vol. 38, Issue 20, pp. 2631-2637, (2017) (<a href="#">PubMed</a>).</p> <p>Zuo, Liu, Zhang, Wu, Guo, Liao: "Development of trastuzumab-resistant human gastric carcinoma cell lines and mechanisms of drug resistance." in: <b>Scientific reports</b>, Vol. 5, pp. 11634, (2015) (<a href="#">PubMed</a>).</p> <p>Chen, Bao, Zhou, Wang, Wei, Fan: "Glucose transporter-1 expression in CD133+ laryngeal carcinoma Hep-2 cells." in: <b>Molecular medicine reports</b>, Vol. 8, Issue 6, pp. 1695-700, (2013) (</p>
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[PubMed](#)).

Images



Western Blotting

**Image 1.** Anti-CXCR2 antibody, Western blotting Lane 1: Human Rectal Cancer Tissue Lysate Lane 2: Human Rectal Cancer Tissue Lysate

Western Blotting

**Image 2.**