



[Go to Product page](#)

Datasheet for ABIN3042780

anti-CXCR3 antibody (AA 1-368)

5 Images

2 Publications

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | CXCR3 |
| Binding Specificity: | AA 1-368 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CXCR3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------------|--|
| Purpose: | Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 3(CXCR3) detection. Tested with WB, IHC-P in Human,Rat. |
| Immunogen: | E.coli-derived human CXCR3 recombinant protein (Position: M1-L368). Human CXCR3 shares 86% amino acid (aa) sequence identity with both mouse and rat CXCR3. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 3(CXCR3) detection. Tested with WB, IHC-P in Human,Rat. Gene Name: chemokine (C-X-C motif) receptor 3 Protein Name: C-X-C chemokine receptor type 3 |
| Purification: | Immunogen affinity purified. |

Target Details

| | |
|-------------------|---|
| Target: | CXCR3 |
| Alternative Name: | CXCR3 (CXCR3 Products) |
| Background: | <p>Chemokine receptor CXCR3 is a G protein-coupled receptor in the CXC chemokine receptor family. Other names for CXCR3 are G protein-coupled receptor 9 (GPR9) and CD183. It is mapped to Xq13.1. CXCR3 is expressed on malignant B cells from chronic lymphoproliferative disorders, particularly in patients with CLL, and represents a fully functional receptor involved in chemotaxis of malignant B lymphocytes. It is found that in the absence of known etiologic agents, CXCR3 represents a novel target for therapeutic interference early in type 1 diabetes. CXCR3 signaling is associated with MG pathogenesis and proposed that and CXCR3 may serve as novel drug targets to treat MG. CXCR3A and CXCR3B are involved in the chemotactic and vascular effects of CXCL4L1.</p> <p>Synonyms: C-X-C chemokine receptor type 3 antibody CD 183 antibody CD182 antibody CD183 antibody Chemokine (C X C motif) receptor 3 antibody Chemokine (C X C) receptor 3 antibody Chemokine CXC Motif Receptor 3 antibody CKR L2 antibody CKR-L2 antibody CKRL2 antibody CMKAR3 antibody CXC-R3 antibody CXCR-3 antibody CXCR3 antibody CXCR3_HUMAN antibody G Protein Coupled Receptor 9 antibody G protein-coupled receptor 9 antibody GPR9 antibody Interferon-inducible protein 10 receptor antibody IP-10 receptor antibody IP10 antibody IP10 R antibody IP10 receptor antibody IP10-R antibody IP10R antibody Mig R antibody Mig receptor antibody Mig-R antibody MIGR antibody</p> |
| Gene ID: | 2833 |
| UniProt: | P49682 |

Application Details

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|--------------------|---|
| Application Notes: | <p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for CXCR3 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p> |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |

Application Details

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 Na₂HPO₄, 0.05 mg 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.

Handling Advice: Avoid repeated freezing and thawing.

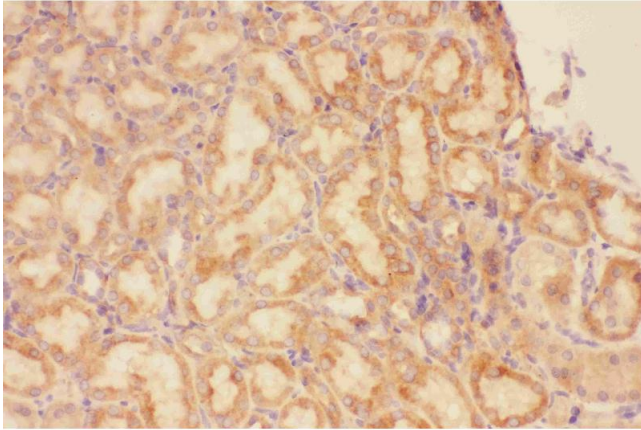
Storage: 4 °C/-20 °C

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

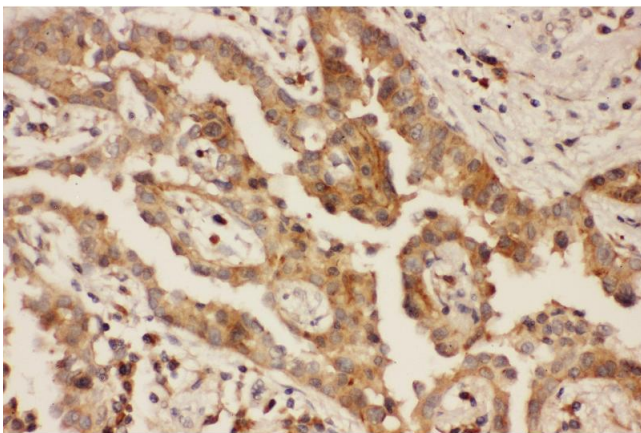
Product cited in: Ding, Xia, Ding, Lu, Sun, Liu: "An alternatively spliced variant of CXCR3 mediates the metastasis of CD133+ liver cancer cells induced by CXCL9." in: **Oncotarget**, Vol. 7, Issue 12, pp. 14405-14, (2018) ([PubMed](#)).

Li, Zhu, Luo, Fang, Zhou, Hu, Maskey, Yang: "Impact of chemokine receptor CXCR3 on tumor-infiltrating lymphocyte recruitment associated with favorable prognosis in advanced gastric cancer." in: **International journal of clinical and experimental pathology**, Vol. 8, Issue 11, pp. 14725-32, (2016) ([PubMed](#)).



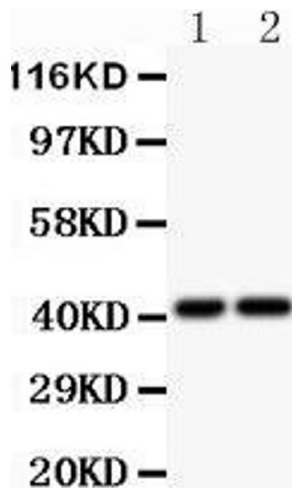
Immunohistochemistry

Image 1. Anti-CXCR3 Picoband antibody, IHC(P): Rat Kidney Tissue



Immunohistochemistry

Image 2. Anti-CXCR3 Picoband antibody, IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 3. Anti-CXCR3 Picoband antibody, All lanes: Anti-CXCR3 at 0.5ug/ml Lane 1: Colo320 Whole Cell Lysate at 40ug Lane 2: SGC Whole Cell Lysate at 40ug Predicted bind size: 41KD Observed bind size: 41KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3042780.