Datasheet: AHP2451

**Description:** RABBIT ANTI CD184 / CXCR4

**Specificity:** CD184 / CXCR4

**Format:** Purified

**Product Type:** Polyclonal Antibody

**Isotype:** Polyclonal IgG

**Quantity:** 50 µl

### Product Details

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td>✔</td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>✔</td>
<td></td>
<td></td>
<td>1/500 - 1/1000</td>
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</tbody>
</table>

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid

**Antiserum Preparation**

Antiserum to CD184/CXCR4 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.02% Sodium Azide

50% Glycerol

**Immunogen**

Synthetic human CD184/CXCR4 peptide

**External Database Links**

- UniProt: [P61073](https://www.uniprot.org/uniprot/P61073)
- Related reagents

- Entrez Gene: [7852](https://www.ncbi.nlm.nih.gov/gene/7852) CXCR4 Related reagents

**Specificity**

Rabbit anti CD184/CXCR4 antibody recognizes CD184, also known as C-X-C chemokine
receptor type 4 (CXCR4), LESTR or SDF-1 receptor.

CD184 is a member of the G-protein coupled receptor 1 family and a receptor for the chemokine SDF-1 (stromal cell-derived factor 1). CD184 also acts as a receptor for extracellular ubiquitin and as a coreceptor for HIV-1. CD184/CXCR4 is involved in multiple processes including chemotaxis, cell proliferation, survival and adhesion.

**Western Blotting**

Rabbit anti CD184/CXCR4 antibody detects a band of approximately 70 kDa in cell lysates and tissue lysates under reducing conditions

**Storage**

Store at -20°C

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Sheep Anti Rabbit IgG (STAR34...) **FITC**
- Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
- Goat Anti Rabbit IgG (Fc) (STAR121...) **Biotin, FITC, HRP**
- Sheep Anti Rabbit IgG (STAR35...) **RPE**
- Sheep Anti Rabbit IgG (STAR36...) **DyLight@488, DyLight@680, DyLight@800**

**Recommended Useful Reagents**

- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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