Product datasheet

Anti-CX3CR1 antibody ab8020

Overview

Product name: Anti-CX3CR1 antibody
Description: Rabbit polyclonal to CX3CR1
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, IHC-P, WB
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat
Immunogen: Synthetic peptide, corresponding to amino acids 175-189 of Human CX3CR1.
Positive control: THP-1 cell lysate

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Preservative: 0.02% Sodium azide
Purity: Affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab8020 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>Use a concentration of 20 µg/ml.</td>
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<tr>
<td>IHC-P</td>
<td>★★★★★</td>
<td>Use a concentration of 10 µg/ml.</td>
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<tr>
<td>WB</td>
<td>★★★★★</td>
<td>1/500. Predicted molecular weight: 50 kDa. Can be blocked with CX3CR1 peptide (ab8124).</td>
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</table>
**Function**
Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1.

**Tissue specificity**
Expressed in lymphoid and neural tissues.

**Sequence similarities**
Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**
Cell membrane.

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**Images**

![Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CX3CR1 antibody (ab8020)](image)

ab8020 at 10µg/ml staining CX3CR1 in human spleen cells by IHC

![Western blot - Anti-CX3CR1 antibody (ab8020)](image)

All lanes: Anti-CX3CR1 antibody (ab8020) at 1/500 dilution

- **Lane 1**: THP-1 cell lysate with absence of blocking peptide
- **Lane 2**: THP-1 cell lysate with presence of blocking peptide

Predicted band size: 50 kDa
Observed band size: 50 kDa

![Immunocytochemistry/ Immunofluorescence - Anti-CX3CR1 antibody (ab8020)](image)

Immunofluorescence of CX3CR1 in THP1 cells using ab8020 at 20 µg/ml.

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