# Anti-CCR9 antibody ab1662

## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-CCR9 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Goat polyclonal to CCR9</td>
</tr>
<tr>
<td>Host species</td>
<td>Goat</td>
</tr>
<tr>
<td>Specificity</td>
<td>Peptide sequence is &lt; 50 % identical to other mouse chemokine receptors in this region.</td>
</tr>
</tbody>
</table>
| Tested applications | **Suitable for:** IHC-FoFr, Flow Cyt, ELISA, IHC-P  
                        **Unsuitable for:** WB |
| Species reactivity | Reacts with: Mouse  
                        Predicted to work with: Human |
| Immunogen       | Synthetic peptide:  
                        IPGMFDDFSYDSTASTDDYMNLNFSSFF, corresponding to amino acids 10-37 of Mouse CCR9. |
| Positive control | Mouse thymus or lymphnodes. |

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| Storage buffer        | Preservative: 0.1% Sodium azide  
                        Constituent: 0.1% BSA |
| Purity                | Immunogen affinity purified |
| Clonality             | Polyclonal |
| Isotype               | IgG |

## Applications

Our Abpromise guarantee covers the use of ab1662 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Application notes**

Is unsuitable for WB.

**Target**

**Relevance**

The protein encoded by this gene is a member of the beta chemokine receptor family. It is predicted to be a seven transmembrane protein similar to G protein coupled receptors. Chemokines and their receptors are key regulators of the thymocytes migration and maturation in normal and inflammation conditions. This gene is expressed in a range of tissues and hemopoietic cells. The expression of this receptor in lymphatic endothelial cells and overexpression in vascular tumors suggested its function in chemokine-driven recirculation of leukocytes and possible chemokine effects on the development and growth of vascular tumors. This receptor appears to bind the majority of beta-chemokine family members; however, its specific function remains unknown. The specific ligand of this receptor is CCL25. It has been found that this gene is differentially expressed by T lymphocytes of small intestine and colon, suggested a role in the thymocytes recruitment and development that may permit functional specialization of immune responses in different segment of the gastrointestinal tract. This gene is mapped to chromosome 3p21.3, a region that includes a cluster of chemokine receptor genes. Two alternatively spliced transcript variants have been described.

**Cellular localization**

Cell membrane; Multi-pass membrane protein.

**Images**

Immunohistochemistry on mouse spleen, at 1/250 dilution.

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