Product datasheet

Anti-IL-21 antibody ab118510

Overview

Product name: Anti-IL-21 antibody
Description: Rabbit polyclonal to IL-21
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide corresponding to Human IL-21 (internal sequence) conjugated to keyhole limpet haemocyanin.
Positive control: Human spleen tissue.

Properties

Form: Liquid
Storage buffer: Preservative: 0.02% Sodium azide
Constituent: 99% PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab118510 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>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 18 kDa.</td>
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<tr>
<td>IHC-P</td>
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<td>Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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Function
Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.

Tissue specificity
Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.

Sequence similarities
Belongs to the IL-15/IL-21 family.

Cellular localization
Secreted.

Images

Human Spleen (formalin-fixed, paraffin-embedded) stained with ab118510 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-21 antibody (ab118510)

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