

## Anti-IL-21/II21 Antibody

Catalog Number: A00459-1

### About II21

Interleukin 21 (IL-21) is a protein that in humans is encoded by the IL21 gene. This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells.

Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases.

Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### Overview

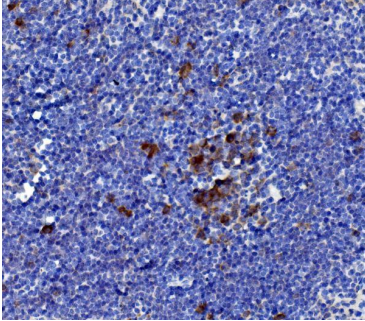
Product Name	Anti-IL-21/II21 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-IL-21/II21 Antibody catalog # A00459-1. Tested in ELISA, IHC applications. This antibody reacts with Mouse, Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.005mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9ES17

### Technical Details

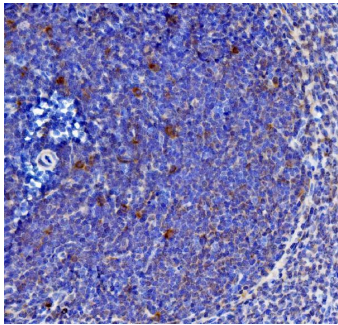
Immunogen	E.coli-derived mouse IL-21/II21 recombinant protein (Position: H18-S146).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse, Rat

ELISA, 0.1-0.5ug/ml, -
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## Anti-IL-21/II21 Antibody (A00459-1) Images



IHC analysis of IL-21/II21 using anti-IL-21/II21 antibody (A00459-1). IL-21/II21 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-IL-21/II21 Antibody (A00459-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.



IHC analysis of IL-21/II21 using anti-IL-21/II21 antibody (A00459-1). IL-21/II21 was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-IL-21/II21 Antibody (A00459-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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Anti-IL-21/II21 Antibody

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