

Rabbit anti-Mouse, Rat IL-21/IL21 Polyclonal Antibody | anti-IL21 antibody

Anti-IL-21/IL21 Antibody

CATALOG # AAA125550	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

IL-21/IL21; Polyclonal Antibody; Anti-IL-21/IL21 Antibody; IL21; Interleukin-21; IL-21; interleukin 21; anti-IL21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for IL-21/IL21 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.005mg NaN3.
Applicable Applications for anti-IL21 antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse IL-21/IL21 recombinant protein (Position: H18-S146).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 2. IHC analysis of IL-21/IL21 using anti-IL-21/IL21 antibody (AAA125550). IL-21/IL21 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 2μg/ml rabbit anti-IL-21/IL21 Antibody (AAA125550) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of IL-21/IL21 using anti-IL-21/IL21 antibody (AAA125550). IL-21/IL21 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 2μg/ml rabbit anti-IL-21/IL21 Antibody (AAA125550) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-IL21 antibody	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.
References	1. Berglund, L. J., Avery, D. T., Ma, C. S., Moens, L., Deenick, E. K., Bustamante, J., Boisson-Dupuis, S., Wong, M., Adelstein, S., Arkwright, P. D., Bacchetta, R., Bezrodnik, L., and 12 others. IL-21 signalling via STAT3 primes human naive B cells to respond to IL-2 to enhance their differentiation into plasmablasts. Blood 122: 3940-3950, 2013. 2. Brandt, K., Singh, P. B., Bulfone-Paus, S., Ruckert, R. Interleukin-21: a new modulator of immunity, infection, and cancer. Cytokine Growth Factor Rev. 18: 223-232, 2007. 3. Brodeur, T. Y., Robidoux, T. E., Weinstein, J. S., Craft, J., Swain, S. L., Marshak-Rothstein, A. IL-21 promotes pulmonary fibrosis through the induction of profibrotic CD8+ T cells. J. Immun. 195: 5251-5260, 2015.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11140821
NCBI GeneID	60505
NCBI Accession #	NP_068554.1
NCBI GenBank Nucleotide #	NM_021782.3
UniProt Accession #	Q9ES17
Molecular Weight	16,811 Da
NCBI Official Full Name	interleukin-21 isoform 2
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	IL-21
NCBI Protein Information	interleukin-21
UniProt Protein Name	Interleukin-21
UniProt Gene Name	IL21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-21-il21-antibody-direct-elisa-immunohistochemistry-elisa/125550>