

Datasheet for ABIN748133

anti-IL-21 antibody (AA 65-155)[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	100 µL
Target:	IL-21 (IL21)
Binding Specificity:	AA 65-155
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-21 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IL-21
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL-21 (IL21 Products)

Target Details

Background:	<p>Synonyms: Za11, IL-21, CVID11, Interleukin-21, IL21</p> <p>Background: 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.</p>
Gene ID:	59067
UniProt:	Q9HBE4
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IF(IHC-P) 1:50-200</p>
Restrictions:	For Research Use only

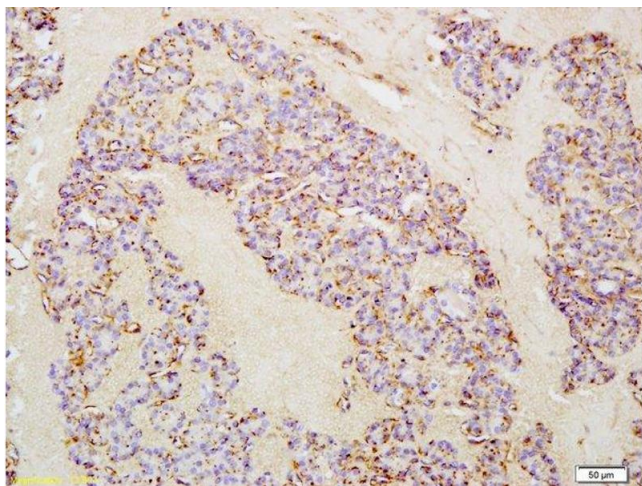
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in: Ma, Sun, Zhai, Yu, Wang, Li, Ding: "Effect of follicular helper T cells on the pathogenesis of asthma." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 2, pp. 967-972, (2017) ([PubMed](#)).
- Gong, Zhu, Pang, Ai, Gong, La, Ding: "Increased levels of CCR7(lo)PD-1(hi) CXCR5+ CD4+ T cells, and associated factors Bcl-6, CXCR5, IL-21 and IL-6 contribute to repeated implantation failure." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 6, pp. 5931-5941, (2017) ([PubMed](#)).
- Guan, Wang, Meng, Shi, Jiang, Xiao, Shi, Xu, Zhang: "Increased IL-21/IL-21R expression and its proinflammatory effects in autoimmune thyroid disease." in: **Cytokine**, Vol. 72, Issue 2, pp. 160-5, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human thyroid cancer labeled with Anti-IL-21 Polyclonal Antibody, Unconjugated (ABIN748133) at 1:200 followed by conjugation to the secondary antibody and DAB staining