

Datasheet for ABIN499986

**anti-IL-21 antibody (Intermediate Domain)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	IL-21 (IL21)
Binding Specificity:	Intermediate Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-21 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Human IL-21 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	IL-21 antibody was raised against a synthetic peptide corresponding to 15 amino acids near the center of human IL-21 precursor.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	IL-21 (IL21)
Alternative Name:	Interleukin-21 / IL21 ( <a href="#">IL21 Products</a> )
Background:	A novel cytokine was recently identified in human and mouse and designated IL-21 , which has

## Target Details

significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21 (IL-21R, also termed NILR for novel Interleukin receptor) is a new member of the class I cytokine receptor family (1,2). IL-21R forms a complex with the common cytokine receptor  $\gamma$  chain,  $\gamma c$ , and mediates IL-21 signaling (3,4). IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, and HL-60 and THP-1 cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations. Synonyms: IL-21, Za11

Gene ID: 59067

NCBI Accession: [NP\\_068575](#)

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: ELISA. Western Blot: 0.5 to 1  $\mu\text{g/mL}$ . An approximately 18 kDa band can be detected.  
Immunocytochemistry.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

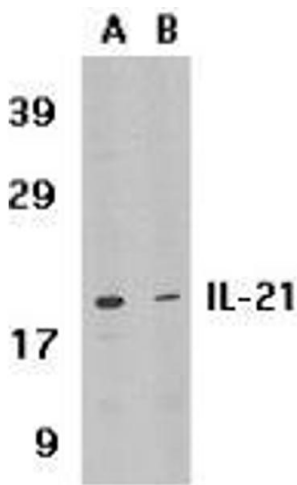
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C



Immunofluorescence

**Image 1.** Immunocytochemistry of IL-21 in K562 cells with AP30413PU-N IL-21 antibody at 2 µg/ml.



Western Blotting

**Image 2.** Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with AP30413PU-N IL-21 antibody at 1 µg /ml.