Datasheet for ABIN499988

anti-IL21 Receptor antibody (Extracellular Domain)

2 Images

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Overview

Quantity:	0.1 mg
Target:	IL21 Receptor (IL21R)
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL21 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human IL-21 Receptor (Extracellular Domain) Peptide
Isotype:	IgG
Specificity:	IL-21 receptor antibody was raised against a synthetic peptide corresponding to amino acids 97 to 111 of human IL-21 receptor precursor.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IL21 Receptor (IL21R)
Alternative Name:	Interleukin-21 Receptor / IL21R (IL21R Products)

Target Details

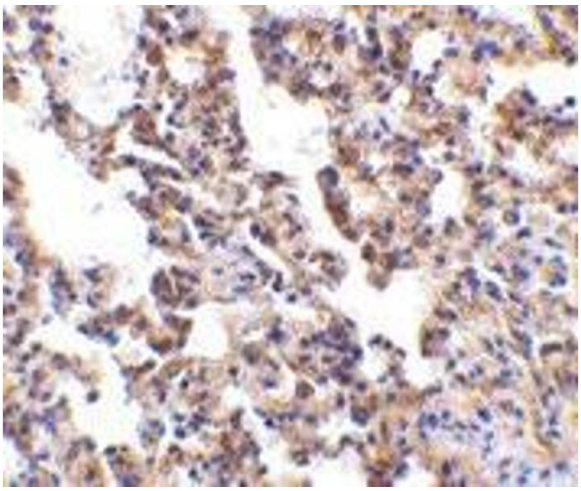
Background:	A novel cytokine related to IL-2 and IL-15 was recently identified and designated IL-21 . The receptor for IL-21 (IL-21R, also termed NILR for novel Interleukin receptor) is a new member of the class I cytokine receptor family (1,2). IL-21R forms a complex with the common cytokine receptor g chain, gc, and mediates IL-21 signaling (3,4). Both IL-21R and the gc are necessary for the IL-21 function. IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21R is expressed in spleen, thymus, natural killer (NK), T and B cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations.Synonyms: IL-21R, IL21 receptor, NILR, Novel interleukin receptor
Gene ID:	50615
NCBI Accession:	NP_068570
UniProt:	Q9HBE5
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	ELISA. Western Blot: 0.5 to 1 µg/mL. An approximately 60 kDa band can be detected. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

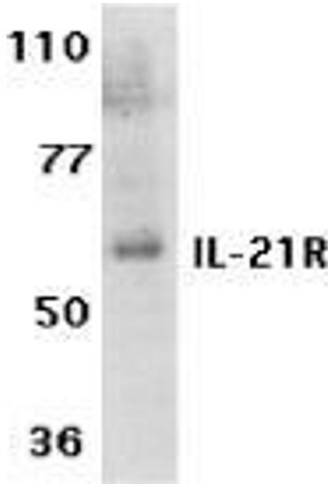
Handling

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of IL-21 receptor in rat lung with IL-21 receptor antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of IL-21 receptor expression in human Raji cell lysate with AP30414PU-N IL-21 Receptor antibody at 1 µg /ml.