

IL-21 Receptor Antibody

Catalog # ASC10143

Specification

IL-21 Receptor Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q9HBE5
Other Accession	NP_068570 , 11141869
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60 kDa KDa
Application Notes	IL-21 receptor antibody can be used for detection of IL-21 receptor by Western blot at 1 µg/mL. An approximately 60 kDa band can be detected. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

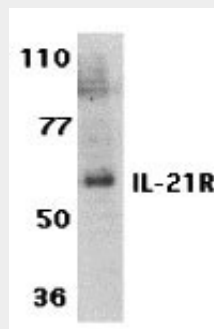
IL-21 Receptor Antibody - Additional Information

Gene ID **50615**
Other Names
IL-21 Receptor Antibody: NILR, CD360, NILR, UNQ3121/PRO10273, Interleukin-21 receptor, Novel interleukin receptor, IL-21 receptor, interleukin 21 receptor

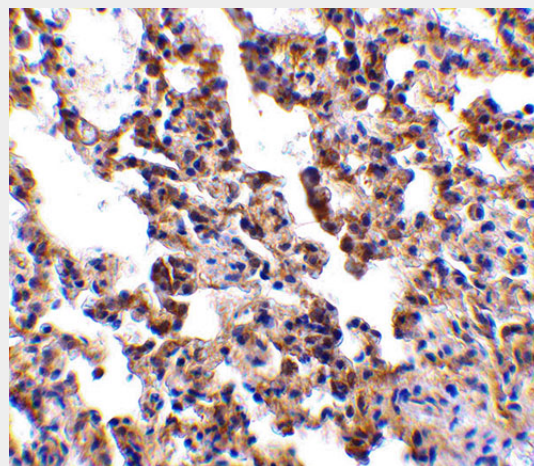
Target/Specificity
IL21R;

Reconstitution & Storage

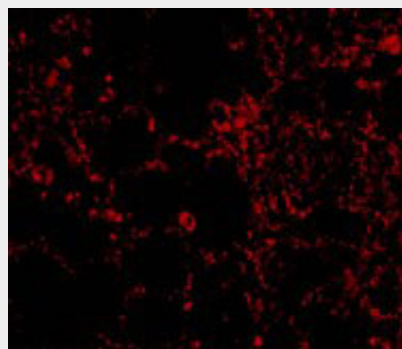
IL-21 Receptor antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be



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



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



Immunofluorescence of IL-21 Receptor in Rat Lung cells with IL-21 Receptor antibody at 20 µg/mL.

exposed to prolonged high temperatures.

Precautions

IL-21 Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-21 Receptor Antibody - Protein Information

Name IL21R

Synonyms NILR

Function

This is a receptor for interleukin-21.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen

IL-21 Receptor Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-21 Receptor Antibody - Background

IL-21 Receptor Antibody: 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. IL-21R forms a complex with the common cytokine receptor gamma chain, gammac, and mediates IL-21 signaling. Both IL-21R and the gammac 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.

IL-21 Receptor Antibody - References

Parrish-Novak J, Dillon SR, Nelson A, et al. Interleukin 21 and its receptor are involved in NK cell expansion and regulation of lymphocyte function. *Nature*. 2000;408(6808):57-63.
Ozaki K, Kikly K, Michalovich D, et al. Cloning of a type I cytokine receptor most related to the IL-2 receptor β chain. *Proc Natl Acad Sci USA*. 2000;97(21):11439-44.
Asao H, Okuyama C, Kumaki S, et al. the common γ -chain is an indispensable subunit of the IL-21 receptor complex. *J Immunol*. 2001;167(1):1-5.
Vosshenrich CA, Di Santo JP. Cytokines: IL-21 joins the $\gamma(c)$ -dependent network. *Curr Biol*. 2001;11(5):R175-7.