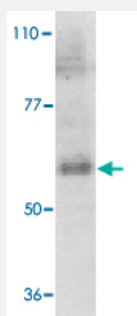


IL21R polyclonal antibody

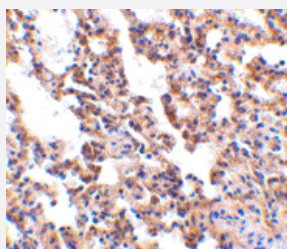
Catalog # PAB13094 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of IL21R expression in human Raji cell lysate with IL21R polyclonal antibody (Cat # PAB13094) at 1 ug /mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of IL21R in rat lung with IL21R polyclonal antibody (Cat # PAB13094) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IL21R.
Immunogen	A synthetic peptide corresponding to amino acids 97-111 of human IL21R.
Sequence	NITDQSGNYSQECGS
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of IL21R expression in human Raji cell lysate with IL21R polyclonal antibody (Cat # PAB13094) at 1 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of IL21R in rat lung with IL21R polyclonal antibody (Cat # PAB13094) at 10 ug/mL .

Gene Info — IL21R

Entrez GeneID	50615
Protein Accession#	NP_068570
Gene Name	IL21R
Gene Alias	MGC10967, NILR
Gene Description	interleukin 21 receptor
Omim ID	147050 605383
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

Publication Reference

- [Cutting edge: the common gamma-chain is an indispensable subunit of the IL-21 receptor complex.](#)

Asao H, Okuyama C, Kumaki S, Ishii N, Tsuchiya S, Foster D, Sugamura K.

The Journal of Immunology 2001 Jul; 167(1):1.

- [Interleukin 21 and its receptor are involved in NK cell expansion and regulation of lymphocyte function.](#)

Parrish-Novak J, Dillon SR, Nelson A, Hammond A, Sprecher C, Gross JA, Johnston J, Madden K, Xu W, West J, Schrader S, Burkhead S, Heipel M, Brandt C, Kuijper JL, Kramer J, Conklin D, Presnell SR, Berry J, Shiota F, Bort S, Hambly K, Mudri S, Clegg C, Moore M, Grant FJ, Lofton-Day C, Gilbert T, Rayond F, Ching A, Yao L, Smith D, Webster P, Whitmore T, Maurer M, Kaushansky K, Holly RD, Foster D.

Nature 2000 Nov; 408(6808):57.

- [Cloning of a type I cytokine receptor most related to the IL-2 receptor beta chain.](#)

Ozaki K, Kikly K, Michalovich D, Young PR, Leonard WJ.

PNAS 2000 Oct; 97(21):11439.

Application: IP, IP-WB, Human, PBMCs, MT-2, YT, HUT-102B2, Raji, CEM, Molt4, K562 cells

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cerebral Hemorrhage](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)

- [Intracranial Hemorrhages](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Osteoporosis](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)