

IL-21 Receptor Antibody

Catalog No: #24144

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

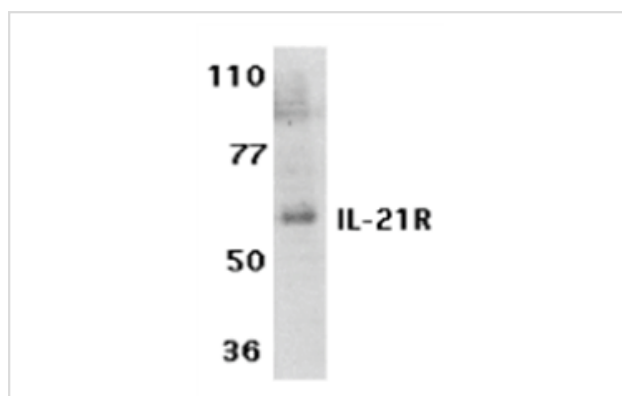
Description

Product Name	IL-21 Receptor Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids 97 to 111 of human IL-21 receptor precursor.
Target Name	IL-21 Receptor
Other Names	IL21R
Accession No.	Swiss-Prot:Q9HBE5Gene ID:50615
Uniprot	Q9HBE5
GeneID	50615;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

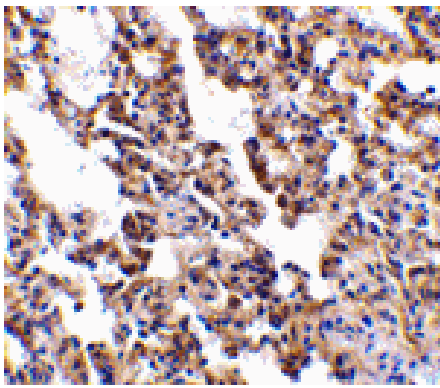
Application Details

Predicted MW: 60 kd

Images



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



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

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. 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.

Note: This product is for in vitro research use only