

Product datasheet for **TA306077**

IL21 Receptor (IL21R) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IL-21 receptor antibody was raised against a synthetic peptide corresponding to amino acids 97 to 111 of human IL-21 receptor precursor. The immunogen is located within amino acids 80 - 130 of IL-21 Receptor.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 21 receptor
Database Link:	NP_068570 Entrez Gene 60504 Mouse Entrez Gene 308977 Rat Entrez Gene 50615 Human Q9HBE5
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:	CD360; NILR

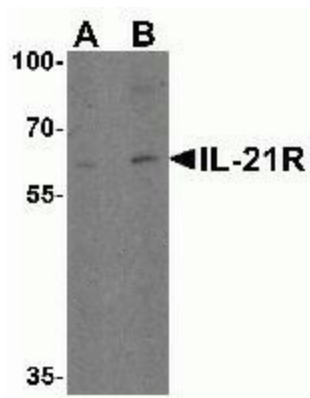


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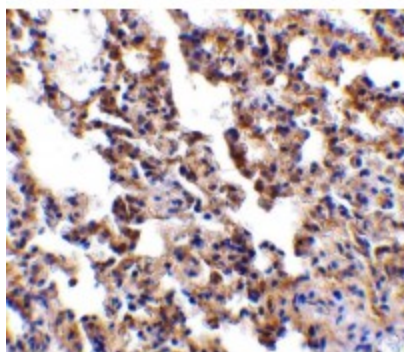
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

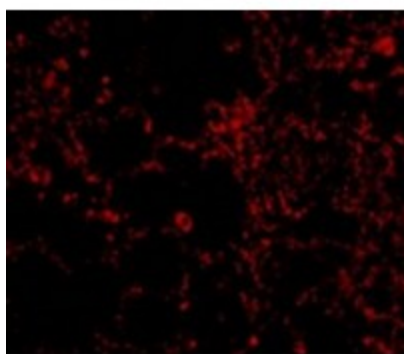
Product images:



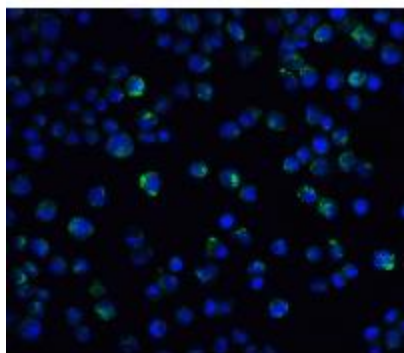
Western blot analysis of IL-21 receptor expression in human HepG2 cell lysate with IL-21 receptor antibody at (A) 1 and (B) 2 μ g/ml.



Immunohistochemistry of IL-21 receptor in rat lung with IL-21 receptor antibody at 10 μ g/ml.



Immunofluorescence of IL-21 Receptor in Rat Lung cells with IL-21 Receptor antibody at 20 μ g/ml.



Immunofluorescence of IL21R in A431 cells with IL 21 Receptor antibody at 20ug/ml.