

Product datasheet for **TA306076**

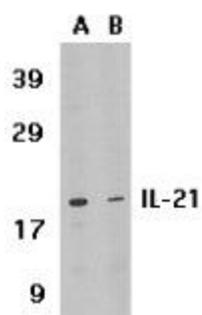
IL21 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IL-21 antibody was raised against a synthetic peptide corresponding to 15 amino acids near the center of human IL-21 precursor .
Formulation:	PBS containing 0.02% sodium azide.
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
Database Link:	NP_068575 Entrez Gene 59067 Human Q9HBE4
Background:	A novel cytokine was recently identified in human and mouse and designated IL-21 , which has significant homology to IL-2, IL-4, and IL-15. 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). IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, and HL-60 and THP-1 cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations.
Synonyms:	CVID11; IL-21; Za11
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway



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Product images:

Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with IL-21 antibody at 1 ug /ml.



Immunocytochemistry of IL-21 in K562 cells with IL-21 antibody at 2 ug/mL.