



Rabbit Anti-Human IL7R Polyclonal Antibody (CABT-L2018)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Interleukin 7 Receptor (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against IL7R. It has been selected for its ability to recognize IL7R in immunohistochemical staining and western blotting.
Target	IL7R
Immunogen	Recombinant fragment corresponding to human IL7R (Lys173~Ala260)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2014]
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Keywords	CDW127;CD127;IL-7R-Alpha
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GENE INFORMATION

Gene Name	IL7R interleukin 7 receptor [Homo sapiens (human)]
Official Symbol	IL7R
Synonyms	IL7R; interleukin 7 receptor; ILRA; CD127; IL7RA; CDW127; IL-7R-alpha; interleukin-7 receptor subunit alpha; IL-7RA; CD127 antigen; IL-7R subunit alpha; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain; interleukin 7 receptor isoform H5-6;
Entrez Gene ID	3575
Protein Refseq	NP_002176
UniProt ID	P16871
Chromosome Location	5p13
Pathway	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; FoxO signaling pathway; Hematopoietic cell lineage; IL-7 Signaling Pathway; Immune System; Interleukin-7 signaling; Jak-STAT signaling pathway;
Function	antigen binding; interleukin-7 receptor activity; protein binding;