

Datasheet for ABIN3022323  
**anti-IL-7 antibody (AA 26-177)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	IL-7 (IL7)
Binding Specificity:	AA 26-177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-7 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 26-177 of human IL7 (NP_000871.1).
Sequence:	DCDIEGKDGK QYESVLMVSI DQLLDSMKEI GSNCLNNEFN FFKRHICDAN KEGMFLFRAA RKLRQFLKMN STGDFDLHLL KVSEGTILL NCTGQVKGRK PAALGEAQPT KSLEENKSLK EQKKLNDLCF LKRLLEIKT CWNKILMGTK EH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	IL-7 (IL7)
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## Target Details

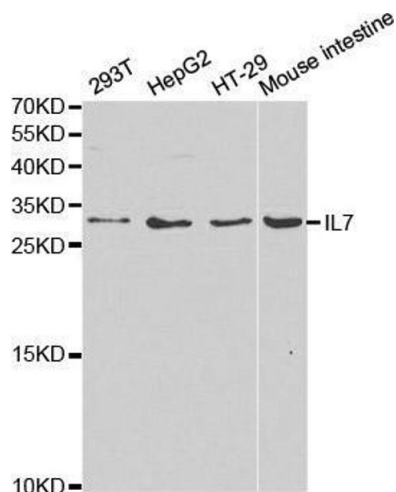
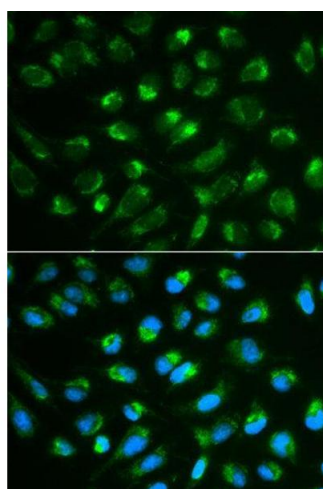
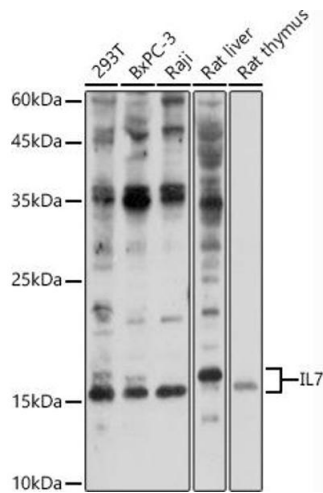
Alternative Name:	IL7 ( <a href="#">IL7 Products</a> )
Background:	<p>The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their presence in normal tissues has not been confirmed.,IL7,IL-7,Cell Biology &amp; Developmental Biology,Apoptosis,Growth factor,Immunology &amp; Inflammation,Cytokines,Interleukins,Cell Intrinsic Innate Immunity Signaling Pathway,IL7</p>
Molecular Weight:	7 kDa/15 kDa/20 kDa
Gene ID:	3574
UniProt:	<a href="#">P13232</a>
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using IL7 antibody (ABIN3022322, ABIN3022323, ABIN3022324, ABIN1513090 and ABIN6218736) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

### Immunofluorescence

**Image 2.** Immunofluorescence analysis of MCF7 cell using IL7 antibody. Blue: DAPI for nuclear staining.

### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using IL7 antibody.