

Datasheet for ABIN7178671

anti-IL-7 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	IL-7 (IL7)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of Human IL7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purification

Target Details

Target:	IL-7 (IL7)
Alternative Name:	IL7 (IL7 Products)
Background:	Background: IL-7 plays a key role in lymphopoiesis and lymphoid homeostasis. Stromal and epithelial cells within the bone marrow and thymus produce IL-7. The primary targets of IL-7 are T cells, B cells, and dendritic cells. IL-7 is crucial for T cell development, the importance of which is underscored by the lack of T cells in both mice and humans that are deficient in IL-

Target Details

7/IL-7R signaling. While IL-7 appears to be required for B cell development in mice, the role of IL-7 in human B cell development is unclear. In addition to its effects on T cell lymphopoiesis, IL-7 promotes the maintenance and survival of naïve and memory $\alpha\beta$ T cells, as well as $\gamma\delta$ T cells. The IL-7 receptor is a heterodimer of the common γ chain, γ_c , and the IL-7-specific IL-7R α . IL-7 activates PI3K/Akt, Jak1/2, and Stat1, 3, and 5.

Aliases: IL 7 antibody; IL-7 antibody; IL7 antibody; IL7_HUMAN antibody; Interleukin 7 antibody; Interleukin-7 antibody; LP-1 antibody; Lymphopoietin 1 antibody

UniProt: [P13232](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: WB:1:500-1:2000, IHC:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

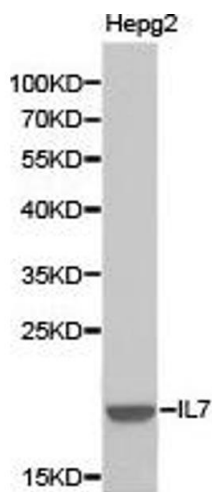
Buffer: Store at -20 °C or -80 °C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts of HepG2 cell lines, using IL7 antibody.