

Datasheet for ABIN3043200
anti-IL-7 antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	IL-7 (IL7)
Binding Specificity:	AA 26-42, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Interleukin-7 IL7 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of mouse IL7.
Sequence:	ECHIKDKEGK AYESVLM
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Interleukin-7 IL7 Antibody (ABIN3043200). Tested in IHC, WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: IL-7 (IL7)

Alternative Name: IL7 ([IL7 Products](#))

Background: Synonyms: Interleukin-7, IL-7, IL7, IL-7,
Background: IL-7, Interleukin 7, is a protein that in humans is encoded by the IL-7 gene. IL-7 a hematopoietic growth factor secreted by stromal cells in the red marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells but is not produced by lymphocytes. By the combination of approaches, IL-7 is located on 8q12-q13. IL-7 is critical for early T-cell development and homeostasis of naive and memory CD8-positive T cells. It signals through the IL-7 receptor complex, which consists of the IL7R-alpha chain and the common IL2R-gamma chain is critical for early T-cell development and homeostasis of naive and memory CD8 -positive T cells. It signals through the IL-7 receptor complex, which consists of the IL7R-alpha chain and the common IL2R-gamma chain.

Molecular Weight: 20 kDa

UniProt: [P10168](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Mouse
Western blot, 0.1-0.5 µg/mL, Human
1. Goodwin RG, Lupton S, Schmierer A, Hjerrild KJ, Jerzy R, Clevenger W, Gillis S, Cosman D, Namen AE (January 1989). "Human interleukin 7: molecular cloning and growth factor activity on human and murine B-lineage cells". Proc. Natl. Acad. Sci. U.S.A. 86 (1): 302-6. 2. Lupton SD, Gimpel S, Jerzy R, et al. (1990). "Characterization of the human and murine IL-7 genes". J. Immunol. 144 (9): 3592-601. 3. Sutherland GR, Baker E, Fernandez KE, Callen DF, Goodwin RG, Lupton S, Namen AE, Shannon MF, Vadas MA (July 1989). "The gene for human interleukin 7 (IL7) is at 8q12-13". Hum. Genet. 82 (4): 371-2.

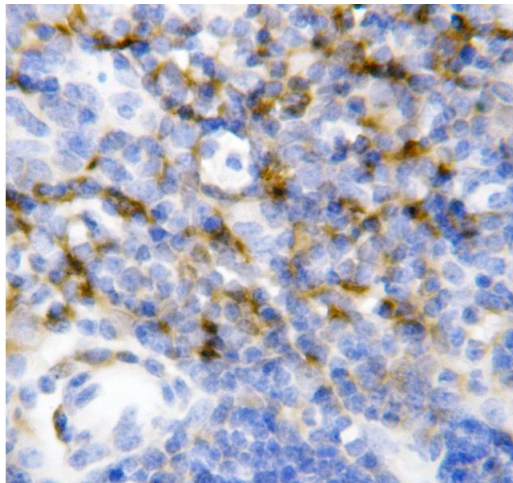
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

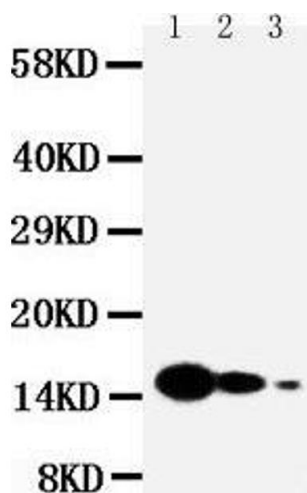
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-IL7 antibody, IHC(P) IHC(P): Mouse Spleen Tissue



Western Blotting

Image 2. Anti-IL7 antibody, Western blotting Lane 1: Recombinant Mouse IL-7 Protein 10ng Lane 2: Recombinant Mouse IL-7 Protein 5ng Lane 3: Recombinant Mouse IL-7 Protein 2.5ng