

# Anti-IL7 antibody



Catalog Number: 176606

## Product name

Anti-IL7 antibody

## Specificity

Human

## Antibody description

Rabbit polyclonal antibody to IL7

## Preparation

This antigen of this antibody was synthetic peptide within human il-7 aa 1-50.

## Formulation

Liquid, 1\*TBS (pH7.4), 0.2% BSA, 50% Glycerol.  
Preservative: 0.05% Sodium Azide.

## Storage

Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

## Clonality

Polyclonal

## Ig Type

IgG

## Applications

WB, ICC, IHC-P

## Dilutions

WB: 1:500

ICC: 1:50-1:100

IHC-P: 1:200-1:500

## Validations

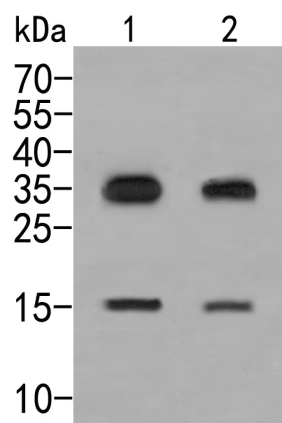


Fig1:: Western blot analysis of IL-7 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.; Positive control;; Lane 1: SHSY5Y cell lysate; Lane 2: HepG2 cell

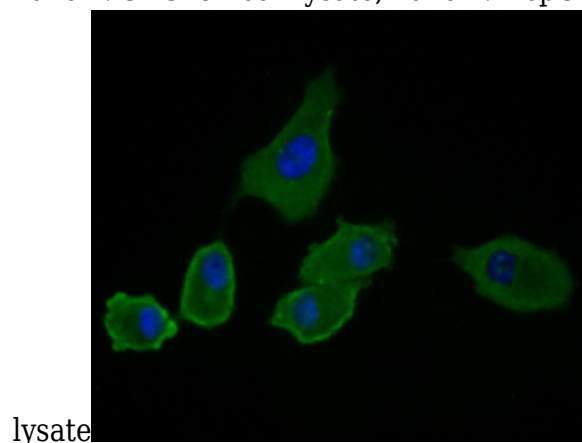


Fig2:: ICC staining of IL-7 in PANC-1 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

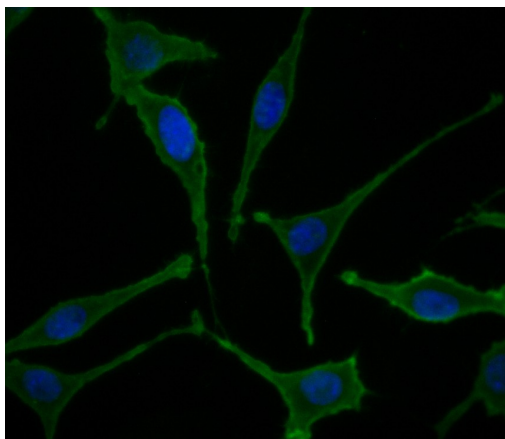
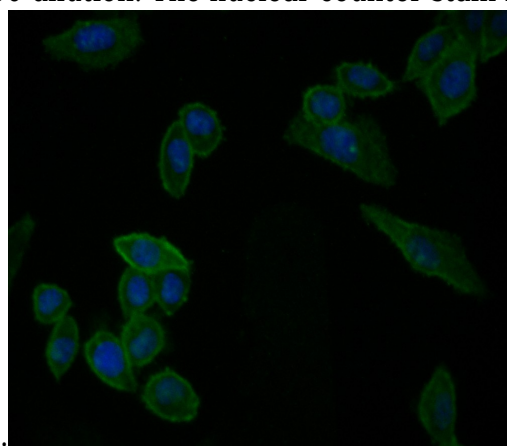


Fig3:: ICC staining of IL-7 in SH-SY5Y cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI



(blue).

Fig4:: ICC staining of IL-7 in SiHa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

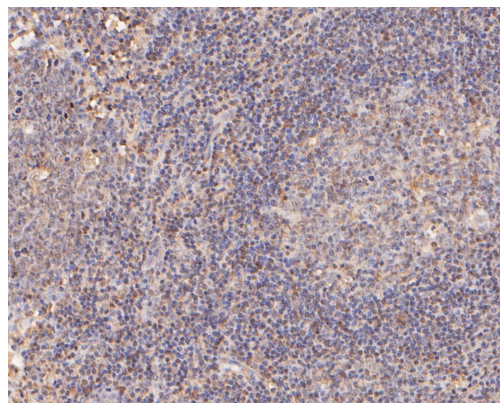


Fig5:: Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-IL-7 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody ( 1/500) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

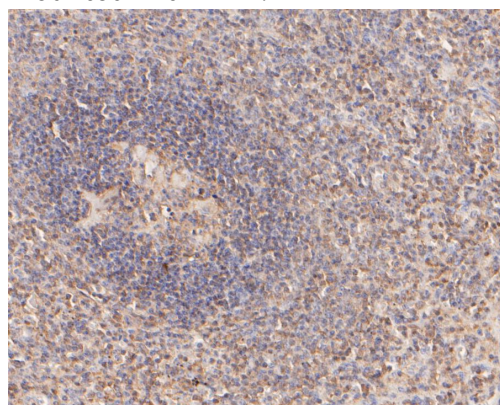


Fig6:: Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-IL-7 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody ( 1/500) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen.

Tissues were counterstained with hematoxylin and mounted with DPX.