

IL-7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51968**Specification**

IL-7 Antibody - Product Information

Application	WB, E
Primary Accession	P13232
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20 KDa

IL-7 Antibody - Additional Information**Gene ID** 3574**Other Names**

Interleukin-7, IL-7, IL7

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

IL-7 Antibody - Protein Information**Name** IL7**Function**

Hematopoietic cytokine that plays an essential role in the development, expansion, and survival of naive and memory T-cells and B- cells thereby regulating the number of mature lymphocytes and maintaining lymphoid homeostasis (PubMed: [25870237](http://www.uniprot.org/citations/25870237), PubMed: [7527823](http://www.uniprot.org/citations/7527823)). Mechanistically, exerts its biological effects through a receptor composed of IL7RA subunit and the cytokine receptor common subunit gamma/CSF2RG (PubMed: [8128231](http://www.uniprot.org/citations/8128231)). Binding to the receptor leads to activation of various kinases including JAK1 or JAK3 depending on the cell type and subsequently propagation of signals through activation of several downstream signaling pathways including the PI3K/Akt/mTOR or the JAK-STAT5 (PubMed: [18523275](http://www.uniprot.org/citations/18523275), PubMed: [20974963](http://www.uniprot.org/citations/20974963)).

Cellular Location

Secreted.

IL-7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-7 Antibody - Images

IL-7 Antibody - Background

Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation.

IL-7 Antibody - References

Goodwin R.G., et al. Proc. Natl. Acad. Sci. U.S.A. 86:302-306(1989).
Lupton S.D., et al. J. Immunol. 144:3592-3601(1990).
Sameshima E., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Livingston R.J., et al. Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Nusbaum C., et al. Nature 439:331-335(2006).