

Rabbit IL7 Polyclonal Antibody | anti-IL7 antibody

IL7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326296	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

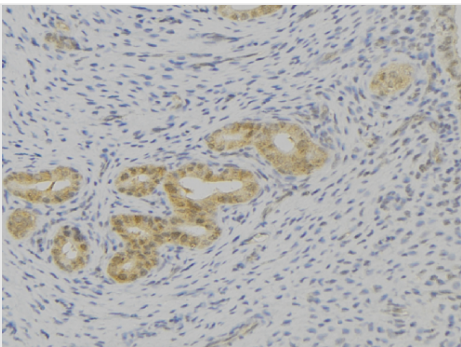
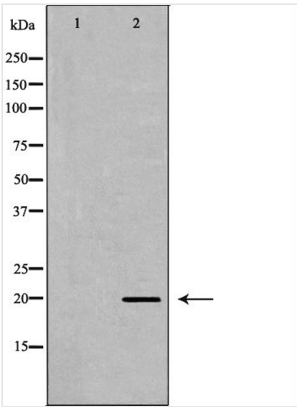
PRODUCT SYNONYMS

IL7; Polyclonal Antibody; IL7 Antibody; IL 7; IL-7; IL7; IL7_HUMAN; Interleukin 7; Interleukin-7; LP-1; Lymphopoietin 1; anti-IL7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IL7 antibody detects endogenous levels of total IL7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	177
Applicable Applications for anti-IL7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IL7
Subcellular Location	Secreted.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (86%), Bovine (86%), Horse (86%), Sheep (86%), Dog (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326296 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hepg2 whole cell lysates, using IL7 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL7 antibody

Description: IL-7 plays a key role in lymphopoiesis and lymphoid homeostasis (1). Stromal and epithelial cells within the bone marrow and thymus produce IL-7 (1). The primary targets of IL-7 are T cells, B cells, and dendritic cells (1). 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-7/IL-7R signaling (1, 2). 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 (1, 3). In addition to its effects on T cell lymphopoiesis, IL-7 promotes the maintenance and survival of na?ve and memory alphabeta T cells, as well as gammadelta T cells (1). The IL-7 receptor is a heterodimer of the common gamma chain, gammac, and the IL-7-specific IL-7Ralpha (1). IL-7 activates PI3K/Akt, Jak1/2, and Stat1, 3, and 5 (1).

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

Similarity: Belongs to the IL-7/IL-9 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504677
NCBI GeneID	3574
NCBI Accession #	NP_000871.1
NCBI GenBank Nucleotide #	NM_000880.3
UniProt Accession #	P13232; Q5FBY5; Q5FBY9; A0N0L3
Molecular Weight	Observed: 20 kDa Predicted: 21 kDa
NCBI Official Full Name	interleukin-7 isoform 1
NCBI Official Synonym Full Names	interleukin 7
NCBI Official Symbol	IL7
NCBI Official Synonym Symbols	IL-7
NCBI Protein Information	interleukin-7
UniProt Protein Name	Interleukin-7
UniProt Gene Name	IL7
UniProt Synonym Gene Names	IL-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il7-antibody-immunohistochemistry-western-blot-elisa/326296>