



Anti-IL15 polyclonal antibody (CPBT-65643RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rabbit anti Human Interleukin-15 antibody recognizes human IL-15 (Interleukin-15), a 14kDa immunomodulatory glycoprotein expressed by multiple tissues and cell types, which primarily stimulates T lymphocytes, but is also critical for the development and activation of natural killer cells (NK). IL-15 shares functional properties with IL-2 and binds with high affinity to the IL-15 receptor (IL-15R), consisting of the IL-15R alpha chain, and also the IL-2Rbeta and common gamma chains used by the IL-2 receptor. Affects of IL-15 have been linked with cells and tissues unrelated to the immune system, and increased expression of IL-15 has been demonstrated in Rheumatoid Arthritis (RA), ulcerative colitis (UC) Chron's disease (CD) and lymphoid malignancies, and also conditions affiliated with HIV and HTLV-1 infection. Rabbit anti Human Interleukin-15 antibody will neutralise IL-15 activity in bioassay systems. Instructions For Use For functional studies do not use Azide.

Specificity	IL15
Immunogen	Recombinant human IL-15
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; FA; IP; IHC-P; WB
Format	Purified IgG - lyophilised
Size	100 µg
Preservative	None
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. For long term storage the addition of 0.09% Sodium Azide is recommended.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [Homo sapiens (human)]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; IL-15; interleukin-15;
Entrez Gene ID	3600
Protein Refseq	NP_000576
UniProt ID	P40933
Chromosome Location	4q31
Pathway	Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; HTLV-I infection; Herpes simplex infection; Intestinal immune network for IgA production; Jak-STAT signaling pathway; Rheumatoid arthritis; TNF signaling pathway;
Function	cytokine activity; cytokine receptor binding; protein binding;