



Anti-IL6 polyclonal antibody (CPBT-65407RH)

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

PRODUCT INFORMATION

Product Overview

Rabbit anti Human Interleukin-6 antibody is specific for human IL-6 (Interleukin-6), a 184 amino acid multifunctional pro-inflammatory cytokine, secreted by activated T cells, macrophages, endothelial cells, fibroblasts and osteoblasts. The diverse biological properties of IL-6 include the principle inducer of the acute phase response in the liver, stimulation of B cell differentiation and subsequent immunoglobulin production, promotion of hybridoma growth, regulation of bone metabolism and stimulation of energy mobilisation in muscle and fatty tissue. IL-6 signals through a membrane bound receptor complex consisting of the ligand-binding IL-6R α chain (CD126) and the signal-transducing component gp130 (CD130), but can also stimulate cells expressing gp130 through a soluble IL-6R. Rabbit anti Human Interleukin-6 antibody has been shown to inhibit the biological activity of Human IL-6. ELISA Purified rabbit anti human IL-6 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA. Western Blotting Rabbit anti human IL-6 may used under either reducing or non-reducing conditions.

Specificity	IL6
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; FA; IF; IHC-P; WB
Format	Purified IgG - lyophilised
Size	100 μ g
Preservative	None
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	IL6 interleukin 6 [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; HGF; HSF; BSF2; IL-6; IFNB2; interleukin-6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; interferon, beta 2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation fact
Entrez Gene ID	3569
Protein Refseq	NP_000591
UniProt ID	P05231
Chromosome Location	7p21
Pathway	ARMS-mediated activation; ATF-2 transcription factor network; Activated TLR4 signalling; Adipogenesis; African trypanosomiasis; Amoebiasis; Axon guidance; Cellular Senescence;
Function	cytokine activity; growth factor activity; interleukin-6 receptor binding; contributes_to interleukin-6 receptor binding; protein binding;