



Datasheet for ABIN181728

anti-IL-6 antibody



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4 Images

Overview

Quantity:	50 µg
Target:	IL-6 (IL6)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Immunogen:	Highly pure (>98%) E.coli derived recombinant Human Interleukin 6.
Purification:	Affinity Chromatography employing immobilized hIL-6 matrix

Target Details

Target:	IL-6 (IL6)
Alternative Name:	Interleukin-6 (IL6) (IL6 Products)
Background:	Interleukin 6 (IL6) is a multifunctional 24 kDa protein originally discovered in the medium of RNA stimulated fibroblastoid cells. It is upregulated by IL1, TNF, PDGF, IFN beta, TNF alpha, NGF, IL17 and downregulated by glucocorticoids IL4, TGF beta. IL6 appears to be directly involved in the responses that occur after infection and cellular injury, and it may prove to be as important as IL1 and TNF alpha in regulating the acute phase response. IL6 has also been

Target Details

implicated in regulating adipose mass. IL6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages and endothelial cells. It acts upon a variety of cells including fibroblasts, myeloid progenitor cells, T cells, B cells and hepatocytes. In addition, IL6 appears to interact with IL2 in the proliferation of T lymphocytes. IL6 potentiates the proliferative effect of IL3 on multipotential hematopoietic progenitors. Synonyms: B-cell stimulatory factor 2, BSF-2, CDF, CTL differentiation factor, Hybridoma growth factor, IFNB2, IL-6, Interferon beta-2

Gene ID: 9606

UniProt: [P05231](#)

Pathways: [TLR Signaling](#), [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Myometrial Relaxation and Contraction](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Cell Redox Homeostasis](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

Application Details

Application Notes: Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hIL-6 (1.0 ng/mL), a concentration of 0.20 - 0.40 µg/mL of this antibody is required. ELISA: Indirect: To detect hIL-6 (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-6. Sandwich: To detect hIL-6 (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. In conjunction with Biotinylated Anti-Human IL-6 as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-6. Western blot: To detect hIL-6 this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-6 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Handling

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images

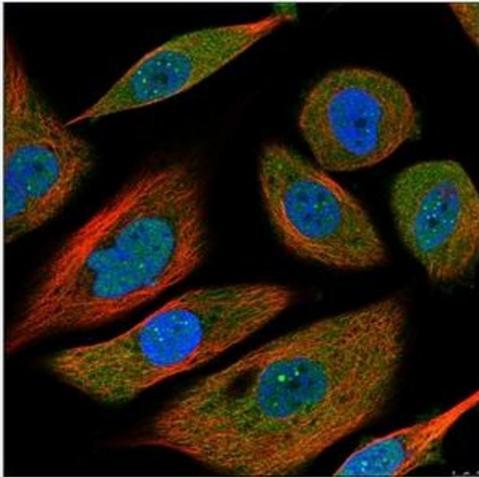


Image 1.

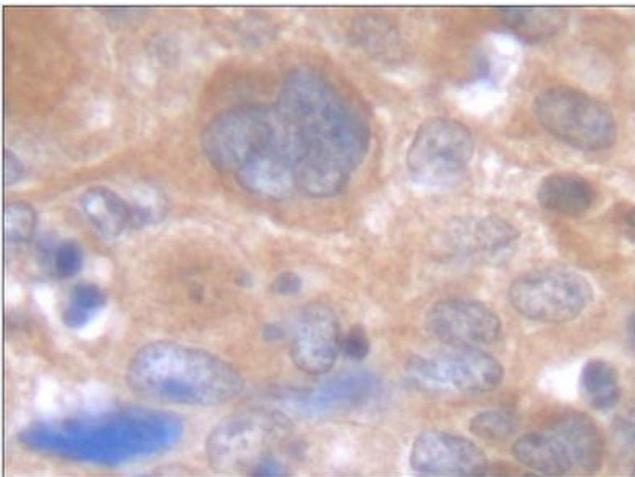


Image 2.

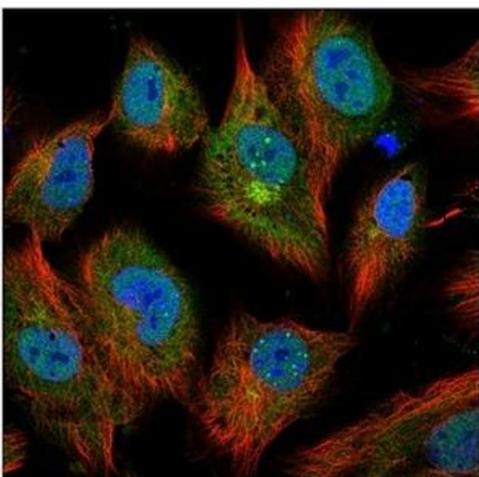


Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN181728.