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Anti-Human IL-6 Secondary Antibody

Rabbit Polyclonal, Unconjugated
Catalog # ASR3288

Product Information

Description	Anti-Human IL-6 (RABBIT) Antibody
Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB
Physical State	Liquid (sterile filtered)
Host Isotype	Antiserum
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This whole rabbit serum was prepared by repeated immunizations with recombinant human IL-6 produced in E.coli.
Stabilizer	None
Preservative	None

Additional Information

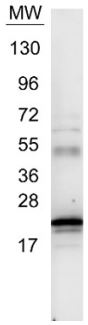
Shipping Condition	Dry Ice
Application Note	IL-6 antisera has been tested for use in neutralizations, ELISA, immuno-histochemistry, radioimmunoassay, immunoprecipitation, and immunoblotting. Reactivity in other immunoassays is unknown. For immunoblotting use the supernatants or lysates of 2 x 106 endotoxin-stimulated human peripheral blood mononuclear cells (PBMC). PBMC are stimulated for 24 hours with 1% (v/v) human serum plus 10 ng/mL E.coli LPS. For immunohistochemistry either paraffin fix or cryofix tissue. For immunoprecipitation, pre-clearing with a non-specific rabbit IgG is helpful to reduce background.
Purity	Anti-IL-6 antiserum detects recombinant and native IL-6 present in body fluids and cell supernatants in various assays (ie. IL-1 stimulated IL-6 production from fibroblasts). In Western blot analysis of natural cell products or human body fluids, multiple bands of IL-6 will appear due to the variable amount of glycosylation on the molecule. The antiserum is also useful for neutralization of human of IL-6 activity in bioassays. For neutralization, incubate the sample with a 1:400 dilution of the antiserum for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG (heat inactivated) is recommended. In neutralization experiments in vitro, this antibody does not result in enhanced activity of IL-6. However, because antibodies to IL-6 may act as a soluble receptor in vivo, some antibodies to IL-6 act as carriers and enhance IL-6 activity. This product has minimal reactivity with mouse IL-6.

Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Anti IL-6 Antibody recognizes IL-6 that is a secreted cytokine with a wide variety of biological functions. IL-6 is a potent inducer of the acute phase response and plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. IL-6 induces myeloma and plasmacytoma growth and induces nerve cells differentiation and acts on B-cells, T-cells, hepatocytes, hematopoeitic progenitor cells and cells of the CNS. IL-6 also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. Anti-IL-6 antibody is ideal for investigators involved in Immunology and Cancer research

Images



Western blot using Abcepta's anti-IL6 antibody. Protein was resolved on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. The blot shows detection of a band ~21 kDa in size corresponding to anti-IL6 antibody. Molecular weight markers are also shown (MW). After transfer, the membrane was blocked for 30 minutes with 1% BSA-TBST. Detection occurred using peroxidase conjugated anti-Rabbit IgG (p/n 611-103-122) secondary antibody diluted 1:40,000 in blocking buffer (p/n MB-070) for 30 min at RT followed by reaction with FemtoMax™ chemiluminescent substrate. Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.