

# IL-6 Polyclonal Antibody

Product Details	
Size	200 µL
Species Reactivity	Human, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human IL6, expressed in E.coli.
Form	Liquid
Concentration	80 mg/mL
Storage buffer	whole serum diluted in 0.02M potassium phosphate, pH 7.2, with 0.15M NaCl
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_794649

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
ELISA (ELISA)	1:1,000-1:5,000	-
Immunoprecipitation (IP)	1:400-1:800	-

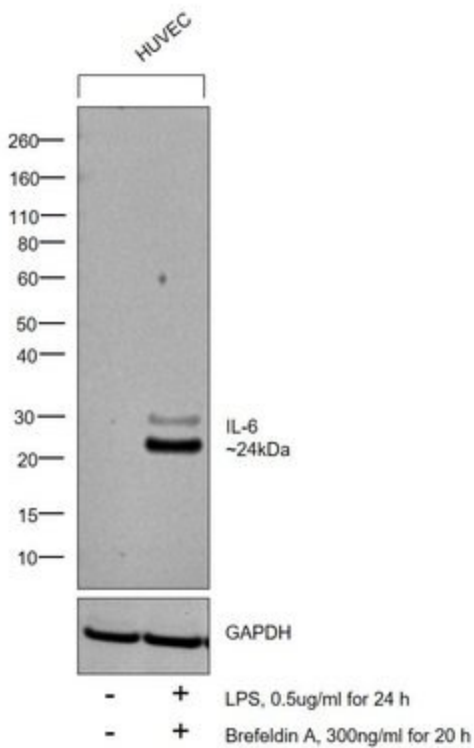
## Product Specific Information

This antibody 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.

## Product Images For IL-6 Polyclonal Antibody

### IL-6 Antibody (PA1-26811) in WB

Western blot was performed using Anti-IL-6 Polyclonal Antibody (Product # PA1-26811) and a 24 kDa band corresponding to IL-6 was observed across to be upregulated upon treatment of HUVEC cells with LPS and Brefeldin A. Whole cell extracts (50 µg lysate) of HUVEC (Lane 1) and HUVEC treated with LPS and Brefeldin A (0.5 µg/mL LPS for 24 h and 300 ng/mL Brefeldin A for last 20 h of LPS stimulation) (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). Expression of IL-6 was observed to be to be upregulated upon treatment of HUVEC cells with LPS and Brefeldin A, HaCaT cells with Poly(I:C) and PTI, and Poly(dA:dT) and PTI.



**MW**

130

96

72

55

36

28

17



**IL-6 Antibody (PA1-26811) in WB**

Western blot using IL-6 Polyclonal Antibody (Product # PA1-26811). 1 µg of our control protein recombinant human IL-6 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 a peroxidase conjugated anti-Rabbit IgG secondary antibody diluted 1:40,000 in blocking buffer for 30 min at RT followed by reaction with chemiluminescent substrate.

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