

For Research Use Only

# IL-6 Polyclonal antibody

Catalog Number: 26404-1-AP **12 Publications**



## Basic Information

<b>Catalog Number:</b> 26404-1-AP	<b>GenBank Accession Number:</b> NM_031168	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 16193	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> interleukin 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 24 kDa	
<b>Immunogen Catalog Number:</b> AG24800	<b>Observed MW:</b> 24 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : LPS and Brefeldin A treated RAW 264.7 cells,
<b>Cited Applications:</b> ELISA, IHC, WB	
<b>Species Specificity:</b> mouse	
<b>Cited Species:</b> mouse	

## Background Information

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zeping Xu	36188464	Front Neurosci	WB
Peng-cheng Tu	35915804	Biomed Res Int	ELISA
Honghao Yu	35864548	J Transl Med	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

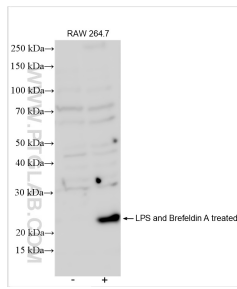
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## Selected Validation Data



untreated, LPS and Brefeldin A treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 26404-1-AP (IL-6 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.