

For Research Use Only

IL-6 Polyclonal antibody

Catalog Number: 26404-1-AP

12 Publications



Basic Information

Catalog Number: 26404-1-AP	GenBank Accession Number: NM_031168	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 16193	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: interleukin 6	
Isotype: IgG	Calculated MW: 24 kDa	
Immunogen Catalog Number: AG24800	Observed MW: 24 kDa	

Applications

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

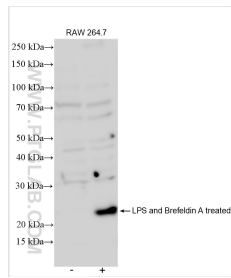
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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.