

# IL6 Polyclonal Antibody

Catalog Number:E-AB-70050

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

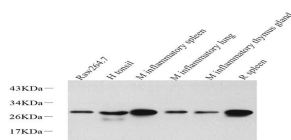
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse IL-6
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

## Applications Recommended Dilution

**WB 1:500-1:2000, IF**  
**1:200-1:600**

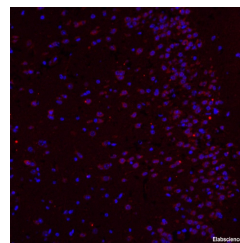
## Data



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Western Blot analysis of various samples using IL6 Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:26kDa**  
**Calculated Mw:26kDa**



Immunofluorescence analysis of paraffin-embedded Mouse inflammatory brain using IL6 Polyclonal Antibody at dilution of 1:300.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

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.

## For Research Use Only

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