IL6 Polyclonal Antibody

Catalog No.   E-AB-70050

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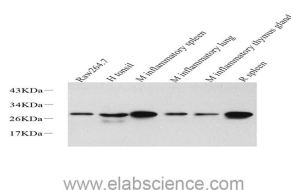
Description

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

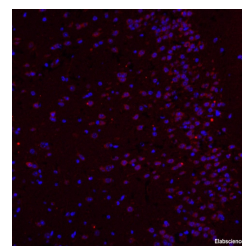## Applications   Recommended Dilution

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

Data

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℃. 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.