

IL-6 Polyclonal Antibody

Catalog No: YT5348

Reactivity: Human

Applications: WB;IHC;IF;ELISA

Target: IL6

Fields: >>EGFR tyrosine kinase inhibitor resistance;>>Antifolate resistance;>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine

receptor;>>HIF-1 signaling pathway;>>FoxO signaling pathway;>>PI3K-Akt signaling pathway;>>Cellular senescence;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>Cytosolic DNA-sensing pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling

pathway;>>Hematopoietic cell lineage;>>IL-17 signaling pathway;>>Th17 cell differentiation;>>TNF signaling pathway;>>Intestinal immune network for IgA production;>>Insulin resistance;>>Non-alcoholic fatty liver disease;>>AGE-RAGE

signaling pathway in diabetic complications;>>Alcoholic liver

disease;>>Alzheimer disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Pathogenic Escherichia coli infection;>>Salmonella

infection;>>Pertussis;>>Legionellosis;>>Yersinia infection;>>Chagas

disease;>>African trypanosomiasis;>>Malaria

Gene Name: IL6

Protein Name: Interleukin-6

Human Gene Id: 3569

Human Swiss Prot P05231

No:

Mouse Swiss Prot P08505

No:

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of human IL6. AA range:131-180

Specificity: IL-6 Polyclonal Antibody detects endogenous levels of IL-6 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

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Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet

tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 23kD

Cell Pathway: Cytokine-cytokine receptor interaction; Toll_Like; NOD-like receptor; Cytosolic

DNA-sensing pathway; Jak_STAT; Hematopoietic cell lineage; Intestinal immune

network for IgA production; Prion diseases; Pathway

Background : This gene encodes a cytokine that functions in inflammation and the maturation

of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Dec 2015],

Function: disease:At least 1 polymorphism in the IL6 gene renders HIV-infected men

susceptible to Kaposi sarcoma [MIM:148000]. Kaposi sarcoma is a sarcoma of spindle cells mixed with angiomatous tissue. A relatively rare malignant skin tumor that results in multifocal purplish coloured papules or plaques that eventually form nodules. Most commonly seen in patients who suffer from AIDS., disease: Genetic variations in IL6 are associated with susceptibility to systemic juvenile rheumatoid arthritis [MIM:604302]. Systemic juvenile rheumatoid arthritis is juvenile chronic arthritis associated with severe,

debilitating, extraarticular features, and occasionally fatal complications. Despite

medical treatment, many children still experience early joint destruction,

necessitating surgical replacement., function: IL-6 is a cytokine with a wide variety

of biological functions: it plays an essential role in the

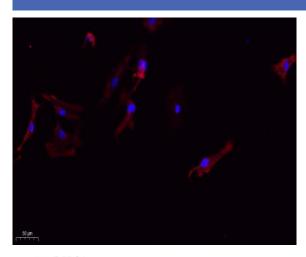
Subcellular Location:

Secreted.

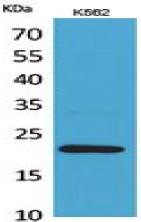
Expression:

Produced by skeletal muscle.

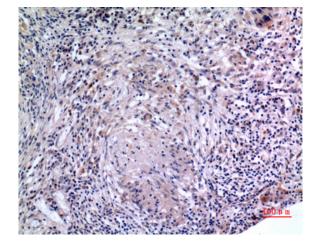
Products Images



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.

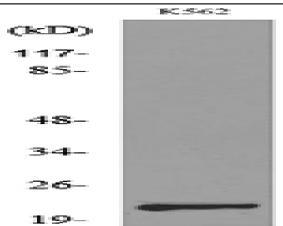


Western Blot analysis of K562 cells using IL-6 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded humanlung, antibody was diluted at 1:100





Western blot analysis of lysate from K562 cells, using IL6 Antibody.