



IL-6 Monoclonal Antibody

Catalog No	YP-mAb-16022
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IL6
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IL6. AA range:131-180
Specificity	IL-6 Monoclonal Antibody detects endogenous levels of IL-6 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL6;B-cell stimulatory factor 2;IFN-beta-2;IL 6;Interferon beta-2;Interleukin-6; IFNB2;IL-6;BSF-2;CTL differentiation factor;CDF;Hybridoma growth factor
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Secreted .
Tissue Specificity	Produced by skeletal muscle.
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

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 susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IL-6 Monoclonal Antibody