

## IL6 Antibody

Catalog No: #32064

Package Size: #32064-1 50ul #32064-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

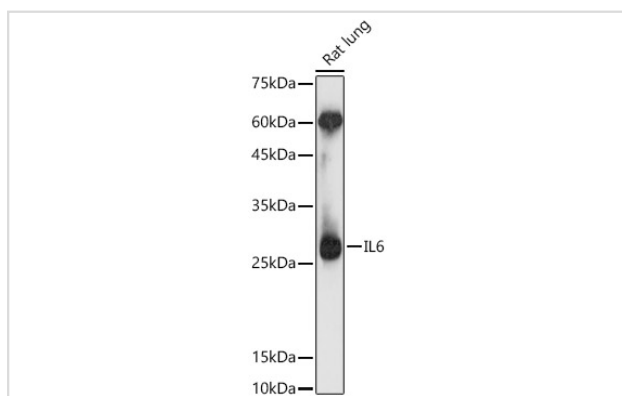
## Description

Product Name	IL6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IL6 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human IL6 (NP_000591.1).
Conjugates	Unconjugated
Target Name	IL6
Other Names	IL6;BSF-2;BSF2;CDF;HGF;HSF;IFN-beta-2;IFNB2;IL-6
Accession No.	Uniprot:P05231GeneID:3569
SDS-PAGE MW	26KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

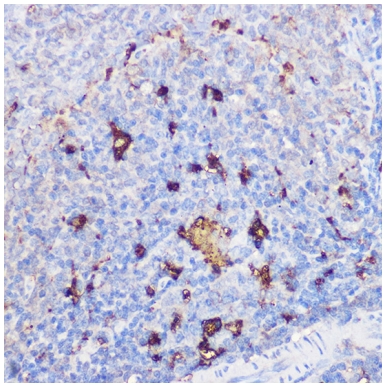
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

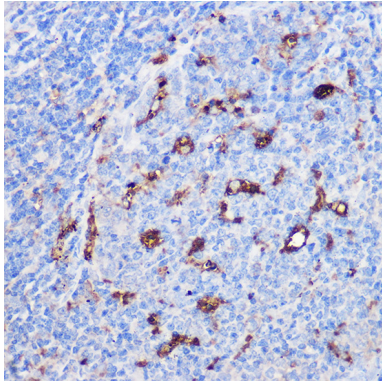
## Images



Western blot analysis of extracts of Rat lung, using IL6 antibody.



Immunohistochemistry of paraffin-embedded rat spleen using IL6 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse spleen using IL6 Rabbit pAb.

## 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.

## Published Papers

el at., Rutaecarpine ameliorates osteoarthritis by inhibiting PI3K/AKT/NF- $\kappa$ B and MAPK signalling transduction through integrin  $\alpha$  $\beta$ 3Int J Mol MedOn2023 OctbyJunlai Wan , Mengwei Li et al..PMID:37654229, , (2023)

[PMID:37654229](#)

Lei Chen;Xia Zhao;Rui Sheng;Philip Lazarovici;Wenhua Zheng el at., Artemisinin alleviates astrocyte overactivation and neuroinflammation by modulating the IRE1/NF- $\kappa$ B signaling pathway in in vitro and in vivo Alzheimer's disease models., , (2025)

[PMID:39826816](#)

Sijing Liu;Kai Li;Changhai Long;Mingwu Lao;Biao Ma;Changquan Liu;Haoyuan He;Chunjiang Wang;Wangzhu Chen;Bin Yu el at., The role of FTO in m6A RNA methylation and immune regulation in Staphylococcus aureus infection-related osteomyelitis., , (2025)

[PMID:39980685](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.