

Datasheet for ABIN728083  
**anti-IL-6 antibody (AA 111-150)**

6 Images

14 Publications

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## Overview

Quantity:	100 µL
Target:	IL-6 (IL6)
Binding Specificity:	AA 111-150
Reactivity:	Human, Mouse, Rat, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse IL-6
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rabbit, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	IL-6 (IL6)
Alternative Name:	IL-6 ( <a href="#">IL6 Products</a> )

## Target Details

Background:	<p>Synonyms: Il-6, Interleukin-6, B-cell hybridoma growth factor, Interleukin HP-1, Il6</p> <p>Background: Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation.</p>
Gene ID:	16193
UniProt:	<a href="#">P08505</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Hormone Transport</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Cell RedoxHomeostasis</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

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handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

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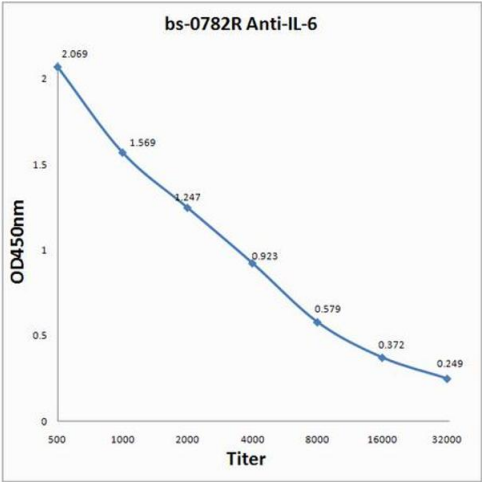
Product cited in: Brockmann, Corkhill, Jaroslawska, Dege, Brockmann, Kociok, Joussen: "Systemic Rho-kinase inhibition using fasudil in mice with oxygen-induced retinopathy." in: **Graefe's archive for clinical and experimental ophthalmology**, Vol. 257, Issue 8, pp. 1699-1708, (2019) ([PubMed](#)).

Bai, Lv, Wang, Sun, Zhang: "LncRNA NEAT1 promotes inflammatory response and induces corneal neovascularization" in: **Journal of molecular endocrinology**, Vol. 61, Issue 4, pp. 231-239, (2019) ([PubMed](#)).

Sun, Li, Jia, Wang, Li, Hu, Tian, Yang, Xing, Zhang, Wang, Xu, Wang, Zhang, Ren: "Neuroprotection by IFN-γ via astrocyte-secreted IL-6 in acute neuroinflammation." in: **Oncotarget**, Vol. 8, Issue 25, pp. 40065-40078, (2018) ([PubMed](#)).

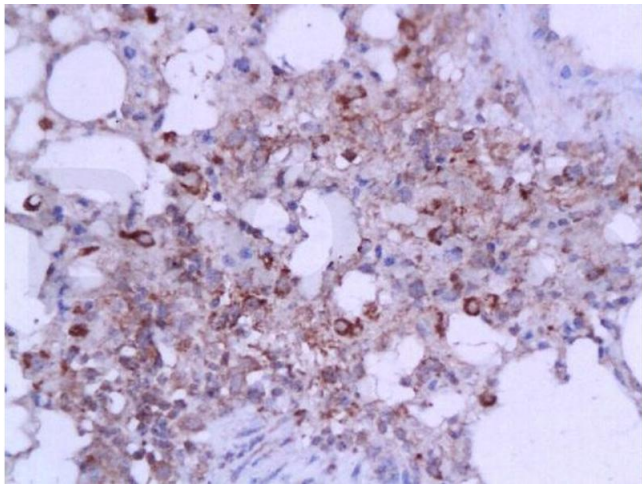
Haffner-Luntzer, Fischer, Prystaz, Liedert, Ignatius: "The inflammatory phase of fracture healing is influenced by oestrogen status in mice." in: **European journal of medical research**, Vol. 22, Issue 1, pp. 23, (2017) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



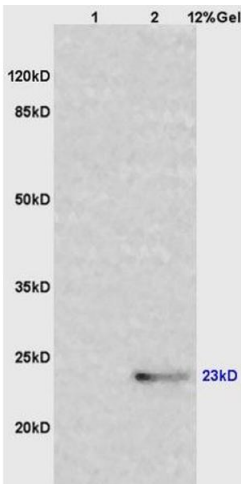
### ELISA

**Image 1.** Antigen: 2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Rabbit Anti-Goat IgG at 1: 5000; TMB staining Read the data in Microplate Reader by 450nm.



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded mouse lung tissue labeled with Anti-IL-6(mo, rat) Polyclonal Antibody, Unconjugated (ABIN728083) at 1:200, followed by conjugation to the secondary antibody and DAB staining



### SDS-PAGE

**Image 3.** L1 mouse lung lysates L2 protein provided by the end user lysates probed with Anti IL-6 Polyclonal Antibody, Unconjugated (ABIN728083) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 23kD. Observed band size:23kD.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN728083.