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IL-6 Rabbit mAb

Catalog No.: A27935 Recombinant

Basic Information

Observed MW
24 kDa

Calculated MW
24 kDa

Category
Primary antibody

Applications
WB,IP,IF-F,ELISA

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC73456

Background

Enables cytokine activity and interleukin-6 receptor binding activity. Involved in several processes, including cellular response to cytokine stimulus; positive regulation of cell communication; and positive regulation of metabolic process. Located in extracellular space. Used to study several diseases, including acute necrotizing pancreatitis; disseminated intravascular coagulation; hypertension (multiple); impotence; and steatotic liver disease. Biomarker of several diseases, including acute necrotizing pancreatitis; artery disease (multiple); auditory system disease (multiple); gastrointestinal system cancer (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); eye disease (multiple); gastrointestinal system cancer (multiple); glucose metabolism disease (multiple); and periodontal disease (multiple). Orthologous to human IL6 (interleukin 6).

Recommended Dilutions

WB	1:1000 - 1:5000
IP	0.5μg-4μg antibody for 900μg-1100μg extracts of whole cells
IF-F	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
24498

Swiss Prot
P20607

Immunogen
Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms
ILg6; Ifnb2

Contact

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Product Information

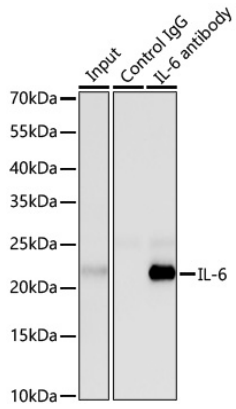
Source
Rabbit

Isotype
IgG

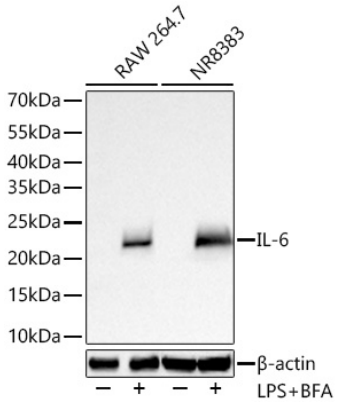
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

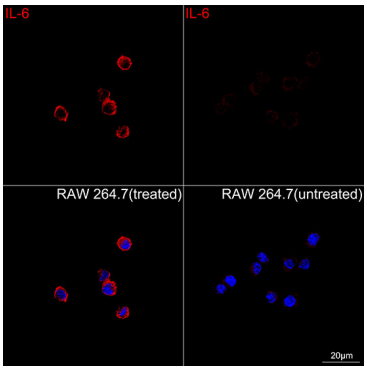
Validation Data



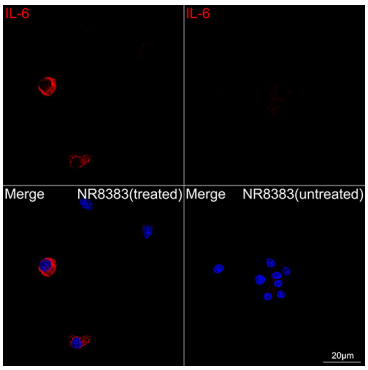
Immunoprecipitation of IL-6 from 1000 µg extracts of NR8383 cells treated with LPS (100ng/ml, 24h) and BFA (1µg/ml, 6h) was performed using 1 µg of IL-6 Rabbit mAb (A27935). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IL-6 Rabbit mAb (A27935) at a dilution of 1:10000.



Western blot analysis of various lysates using IL-6 Rabbit mAb (A27935) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells and NR8383 cells were treated with LPS (1 µg/mL) and BFA (300 ng/mL) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using IL-6 Rabbit mAb (A27935, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NR8383 cells (treated with LPS and BFA) and NR8383 cells (untreated) using IL-6 Rabbit mAb (A27935, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.