

IL-1 alpha Rabbit mAb

Catalog No.: A30049**Recombinant**

Basic Information

Observed MW

30 kDa

Calculated MW

31 kDa

Category

Monoclonal Antibodies

Applications

WB, IF/ICC, IHC-P, ELISA

Cross Reactivity

Mouse

Clone No.

ARC3989

Background

Enables cytokine activity. Involved in positive regulation of angiogenesis and positive regulation of vascular endothelial growth factor production. Acts upstream of or within several processes, including connective tissue replacement involved in inflammatory response wound healing; ectopic germ cell programmed cell death; and extrinsic apoptotic signaling pathway in absence of ligand. Located in extracellular region. Is expressed in several structures, including alimentary system; brain; early conceptus; genitourinary system; and hemolymphoid system. Human ortholog(s) of this gene implicated in several diseases, including Fabry disease; Schnitzler syndrome; hematologic cancer (multiple); lung disease (multiple); and rheumatoid arthritis (multiple). Orthologous to human IL1A (interleukin 1 alpha).

Recommended Dilutions

WB 1:3000 - 1:10000**IF/ICC** 1:100 - 1:400**IHC-P** 1:100 - 1:400**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

16175

Swiss-Prot

P01582

Immunogen

This information is considered to be commercially sensitive.

Synonyms

IL-1a; IL-1 alpha

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

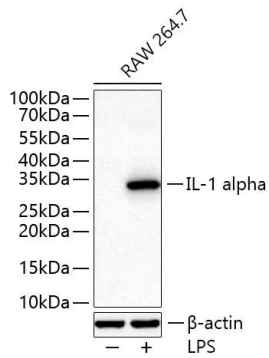
Purity

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using IL-1 alpha Rabbit mAb (A30049) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (1 µg/mL) at 37°C for 24 hours.

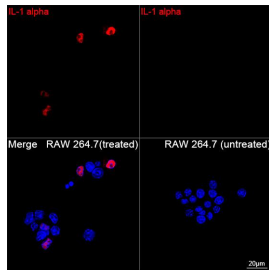
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

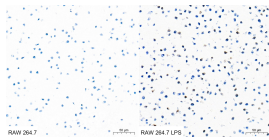
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20 s.



Confocal imaging of RAW 264.7 cells (treated with PMA, LPS and BFA) and RAW 264.7 cells (untreated) using IL-1 alpha Rabbit mAb (A30049, dilution 1:100) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded RAW 264.7 cells, LPS-treated (right) and untreated (left), using IL-1 alpha Rabbit mAb (A30049) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.