

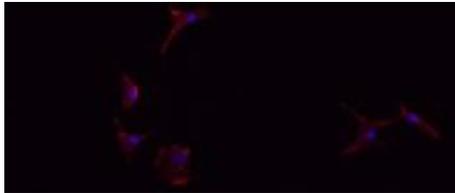
IL-1 β Rabbit Polyclonal Antibody

OPR3931

Reactivity	H, R,M	Storage	-20°C, Avoid freeze / thaw cycles.
Host	Rabbit	Applications	WB;IHC;IF;ELISA
Isotype	IgG	Concentration	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50 min).3, Picture B: DAPI(blue) 10 min



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,IL-1 β Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 min).3,Secondary antibody was diluted at 1:200(room temperature, 30 min). Negative control was used by secondary antibody only.

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IL1B. AA range:181-230
Swissprot	P01584
Synonyms	IL1B; IL1F2; Interleukin-1 beta; IL-1 beta; Catabolin

Product Information

Observed MW	17 KDa
Buffer	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Dilution	WB: 1/500 - 1/2000, IHC-p: 1:100-300,ELISA: 1/20000, IF 1:100-300.

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

Background

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Research Use

For research use only, not for use in diagnostic procedures

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; CHIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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