



# Rabbit Anti-Human IL1B Polyclonal antibody (DPABH-22623)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	IL1 beta fusion protein, sequence: MAEVP ELASEMMAYYS GNEDDLFFEADGPKQMKCSFQDLDLCPLDGGIQLRISDHHYSKG FRQAASVVVAMDKLRKMLVPCPQTFQENDLSTFFPFIFEEPIFFDTWDNEAYVHDAPVR SLNCTLRDSQQKSLVMSPYELKALHLQGQDMEQQVVFSMSFVQGEESNDKIPVALGLKE KNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNLEFESAQFPNWWYST SQAENMPVFLGGTKGGQDITDFTMQFVSS (1-269 aa encoded by BC008678)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, IF, ELISA
<b>Positive Control</b>	A431 cells, Transfected HEK-293 cells
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

# BACKGROUND

## Introduction

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.

## Keywords

IL1B; interleukin 1, beta; IL-1; IL1F2; IL1-BETA; interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta;

# GENE INFORMATION

## Entrez Gene ID

[3553](#)

## UniProt ID

[P01584](#)