



Anti-IL1B (aa 170-269) polyclonal antibody (DPAB-DC1690)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	IL1B (AAH08678, 170 a.a. ~ 269 a.a) partial recombinant protein with GST tag. The sequence is DKIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFE SAQFPNWIYSTQAENMPVFLGGTKGGQDITDFTMQFVSS
Source/Host	mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	IL1B interleukin 1, beta [Homo sapiens (human)]
Official Symbol	IL1B
Synonyms	IL1B; interleukin 1, beta; IL-1; IL1F2; IL1-BETA; interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta;
Entrez Gene ID	3553
Protein Refseq	NP_000567
UniProt ID	P01584
Chromosome Location	2q14
Pathway	African trypanosomiasis; Alzheimers disease; Alzheimers Disease; Amoebiasis
Function	cytokine activity; interleukin-1 receptor binding; protein domain specific binding;