

IL1B Antibody

Catalog No: #32165

Package Size: #32165-1 50ul #32165-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

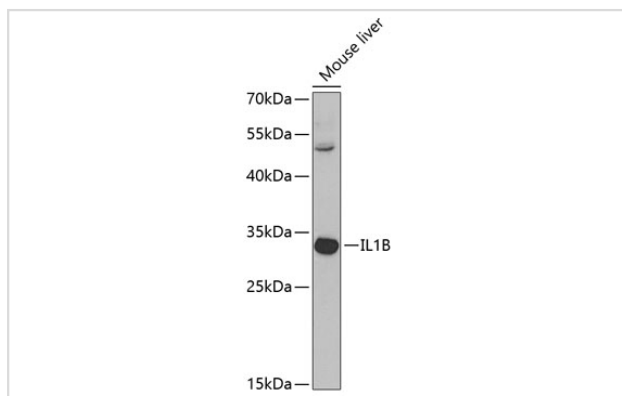
Description

Product Name	IL1B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IL1B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IL1B.
Target Name	IL1B
Other Names	IL1B; IL-1; IL1-BETA; IL1F2; IL1beta
Accession No.	Swiss-Prot:P01584NCBI Gene ID:3553
Uniprot	P01584
GeneID	3553;
SDS-PAGE MW	31KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

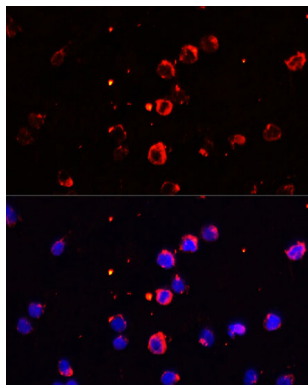
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

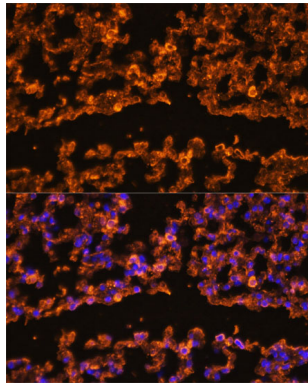
Images



Western blot analysis of extracts of mouse liver, using IL1 beta at 1:1000 dilution.



Immunofluorescence analysis of THP-1 cells using IL1 beta Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse lung using IL1 beta Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Background

The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. PA700, PA28, and PA200 are three major protein Interleukin-1beta (IL-1beta), one of the major caspase-1 targets, is a multifunctional cytokine that is involved in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets (2-6). Human IL-1beta is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield a 17 kDa mature form (7,8). Detection of the 17 kDa mature form of IL-1beta is a good indicator of caspase-1 activity.

Note: This product is for in vitro research use only