

For Research Use Only

Caspase 1 Recombinant antibody

Catalog Number: 84752-1-RR



Basic Information

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|---|--|---|
| Catalog Number: 84752-1-RR | GenBank Accession Number: BC062327 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 834 | CloneNo.: 241966A3 |
| Source: Rabbit | UNIPROT ID: P29466 | Recommended Dilutions: IF-P 1:125-1:500 |
| Isotype: IgG | Full Name: caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) | |
| | Calculated MW: 404 aa, 45 kDa | |

Applications

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|---|---|
| Tested Applications: IF-P, ELISA | Positive Controls: IF-P : mouse liver tissue, |
| Species Specificity: human, mouse | |

Background Information

CASP1(caspase-1) is also named as IL1BC, IL1BCE and belongs to the peptidase C14A family. It is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta (IL1B), IL18, and IL33 precursor proteins. The active caspase-1 can increase cellular membrane permeability and intracellular calcium levels, which facilitates lysosome exocytosis and release of host antimicrobial factors and microbial products (PMID:21804020). It has 5 isoforms produced by alternative splicing.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

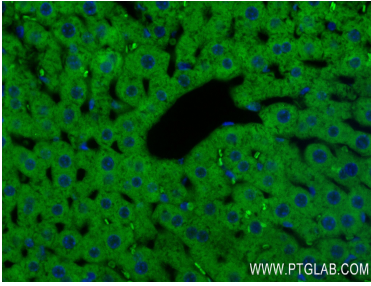
For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Caspase 1 antibody (84752-1-RR, Clone: 241966A3) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).