

For Research Use Only

Caspase 1 Recombinant antibody

Catalog Number: 84752-1-RR



Basic Information

Catalog Number:

84752-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC062327

GeneID (NCBI):

834

UNIPROT ID:

P29466

Full Name:

caspase 1, apoptosis-related cysteine
peptidase (interleukin 1, beta,
convertase)

Calculated MW:

404 aa, 45 kDa

Purification Method:

Protein A purification

CloneNo.:

241966A3

Recommended Dilutions:

IF-P 1:125-1:500

Applications

Tested Applications:

IF-P, ELISA

Species Specificity:

human, mouse

Positive Controls:

IF-P: mouse liver tissue,

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

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

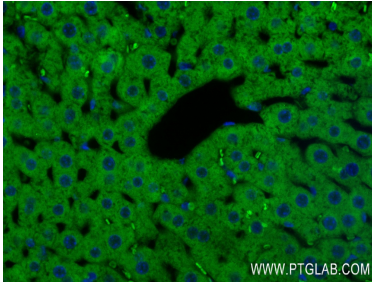
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).