

For Research Use Only

Caspase 1 Recombinant antibody, PBS Only

Catalog Number: 84752-1-PBS



Basic Information

Catalog Number: 84752-1-PBS	GenBank Accession Number: BC062327	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 834	CloneNo.: 241966A3
Source: Rabbit	UNIPROT ID: P29466	
Isotype: IgG	Full Name: caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	
	Calculated MW: 404 aa, 45 kDa	

Applications

Tested Applications:
IF-P, Indirect ELISA

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

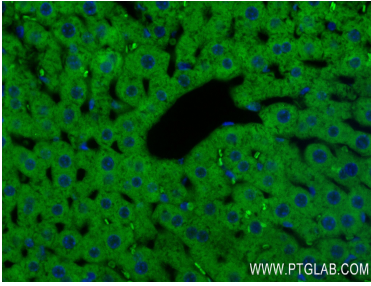
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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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). This data was developed using the same antibody clone with 84752-1-PBS in a different storage buffer formulation.