

For Research Use Only

Caspase 1 Polyclonal antibody

Catalog Number: 31020-1-AP

7 Publications



Basic Information

Catalog Number:

31020-1-AP

Size:

150ul , Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34441

GenBank Accession Number:

BC008152

GeneID (NCBI):

12362

UNIPROT ID:

P29452

Full Name:

caspase 1

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

mouse, rat

Cited Species:

mouse, rat

Positive Controls:

WB : mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue, rat skeletal muscle tissue

Background Information

CASP1(caspase-1) is also named as IL18C, IL18CE 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 (IL18), 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). 31020-1-AP is designed for mouse caspase 1.

Notable Publications

Author	Pubmed ID	Journal	Application
L Bai	39545792	Physiol Res	WB
Zhaobai Lao	39473981	J Inflamm Res	IHC
Lu Chen	39447994	Free Radic Biol Med	WB

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

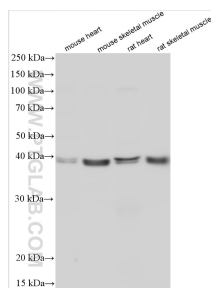
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31020-1-AP (Casp1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.