

For Research Use Only

Caspase 1/p20/p10 Polyclonal antibody



Catalog Number: 16804-1-AP

1 Publications

Basic Information

Catalog Number:

16804-1-AP

Size:

230 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10291

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:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Daniel P Ball	32051255	Life Sci Alliance	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

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

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Selected Validation Data