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Datasheet for ABIN1169380

## anti-Caspase 1 p20 antibody

1 Image

8 Publications

### Overview

Quantity:	100 µg
Target:	Caspase 1 p20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant human caspase-1.
Clone:	Bally-1
Isotype:	IgG1
Specificity:	Recognizes endogenous full-length and activated (p20 fragment) human caspase-1.
Cross-Reactivity:	Human
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

### Target Details

Target:	Caspase 1 p20
Alternative Name:	Caspase-1 p20 ( <a href="#">Caspase 1 p20 Products</a> )
Background:	Caspase-1 is the best-described inflammatory caspase. It processes the cytokines interleukin-

## Target Details

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1beta (IL-1beta) and IL-18 and induces pyroptotic cell death. Caspase-1 is activated by multiprotein complexes called Inflammasomes in response to numerous stimuli that are detected through distinct inflammasomes. NLRC4 responds to cytosolic flagellin, murine NLRP1b responds to anthrax lethal toxin, AIM2 responds to cytosolic DNA and NLRP3 responds to a variety of agonists including crystals.

UniProt: [P29466](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: -20°C  
Stable for at least 1 year after receipt when stored at -20°C.

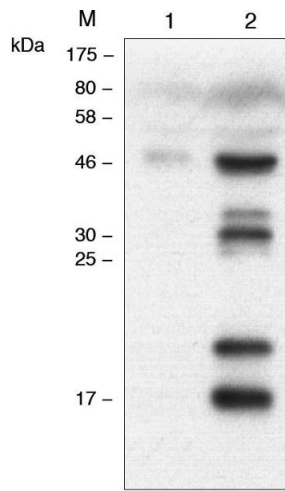
Expiry Date: 12 months

## Publications

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Product cited in: Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and interacts with single-stranded DNA." in: **The Journal of investigative dermatology**, Vol. 130, Issue 11, pp. 2638-46, (2010) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



### Western Blotting

**Image 1.** Human Caspase-1 (p20) is detected by immunoblotting using anti-Caspase-1 (p20) (human), mAb (Bally-1) -C100). Method: Caspase-1 was analyzed by Western blot in supernatants of THP1 cells differentiated for 3h with 0.5  $\mu$ M PMA