# Anti-CASP1/Caspase-1 Polyclonal Antibody

## Summary

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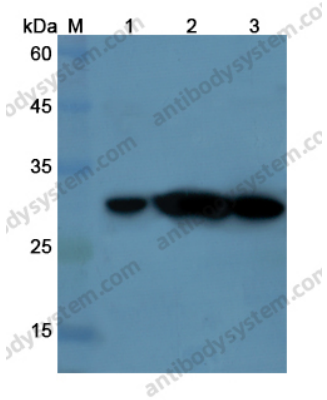
|---|---|
| **Catalog No.** | PHD84101 |
| **Host species** | Rabbit |
| **Tested applications** | ELISA: 1:4000-1:8000, IHC: 1:50-1:100, WB: 1:1000-1:4000 |
| **Species reactivity** | Human |
| **Immunogen** | E. coli - derived recombinant Human CASP1/Caspase-1 (Asn120-Asp297). |
| **Form** | Liquid |
| **Storage buffer** | 0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300. |
| **Concentration** | 0.79 mg/ml |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | ELISA, IHC, WB |
| **Target** | IL1BC,Interleukin-1 beta-converting enzyme,p45,Caspase-1,IL-1BC,IL-1 beta-converting enzyme,CASP1,IL1BCE,ICE,CASP-1,Interleukin-1 beta convertase |
| **Purification** | Purified by antigen affinity column. |
| **Accession** | P29466 |
| **Stability and Storage** | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt. |
| **Note** | For research use only. |

# Data Image



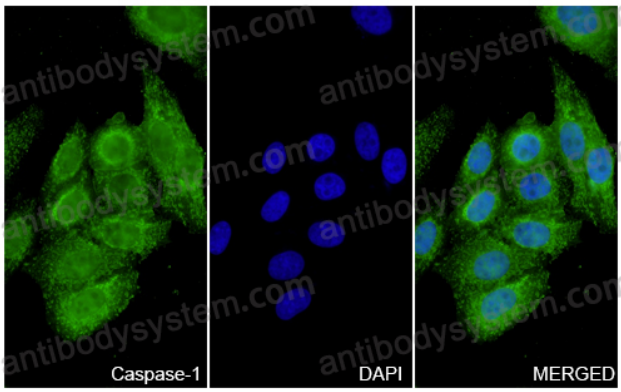

Western blot

Various lysates were subjected to SDS PAGE followed by western blot with CASP1 / Caspase-1 antibody (PHD84101) at 0.79µg/ml.

Lane 1: A549 cell lysate
Lane 2: HepG2 cell lysate
Lane 3: A2780 cell lysate

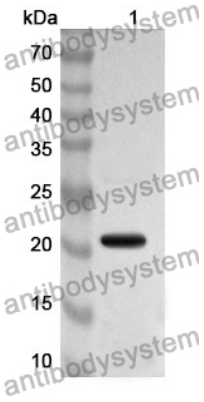
Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 30 kDa
Observed MW: 30 kDa




Immunocytochemistry/ Immunofluorescence

CASP1 / Caspase-1 in HepG2 Cell Line.
The HepG2 cells were fixed with 4% paraformaldehyde (20 min), and then blocked with 5% goat serum for 1h. And the cells were incubated for 2h at 37°C with CASP1 / Caspase-1 (PHD84101) at 15.8 µg/ml. The section was then incubated with Goat Anti-Rabbit IgG (Alexa Fluor-488) preabsorbed at 1/100 dilution (Shown in green) for 1 hour at room temperature.Nuclear DNA was labelled with DAPI (shown in blue).



Western Blot

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with CASP1/Caspase-1 antibody (PHD84101) at 1 µg/ml.

Lane 1: Recombinant Protein

Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 22 kDa
Observed MW: 22 kDa