

## Caspase-1 p10 polyclonal antibody

Catalog: BS5641

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Caspase-1 (interleukin-1 beta convertase) belongs to the Interleukin-1-beta converting enzyme subfamily of caspases which mediate many features of apoptosis, including structural dismantling of cell bodies and nuclei, fragmentation of genomic DNA, destruction of regulatory proteins and propagation of other pro-apoptotic molecules. Caspase-1 promotes maturation of interleukin IL-1 beta and interleukin 18 (IL-18) by proteolytic cleavage of precursor forms into biologically active pro-inflammatory cytokines. Cleavage of Caspase-1 into the p20 and p10 subunits directly correlates with the progression of apoptosis in the cell resulting in the initiation of the caspase cascade. Proteolytic cleavage of the precursor caspase-1 at glycine residue 317 in human and 315 in mouse generates the functional caspase-1 subunits, known as p20 and p10 subunits. At the amino acid level, the mouse p10 subunit is 81% identical to the human p10 subunit.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 10, 45 kDa

### Swiss-Prot:

P29466

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

ICC: 1:50~1:200

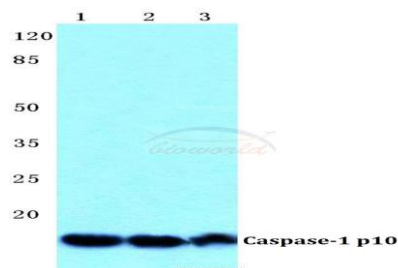
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Caspase-1 p10 polyclonal antibody detects endogenous levels of Caspase 1 p10 protein.

### DATA:



Western blot (WB) analysis of Caspase-1 p10 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Mouse spleen tissue lysate

Lane3:Rat spleen tissue lysate

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151