

## Caspase-1 p20 Polyclonal Antibody

Catalog: BS65650

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing of this gene results in five transcript variants encoding distinct isoforms. [provided by RefSeq].

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~ 47 kDa

### Swiss-Prot:

P29466

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB 1:500 - 1:2000

IHC 1:100 - 1:500

IF 1:100 - 1:500

ICC 1:100 - 1:500

ELISA 1:5000 - 1:10000

### Storage&Stability:

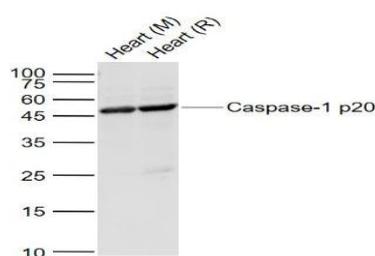
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

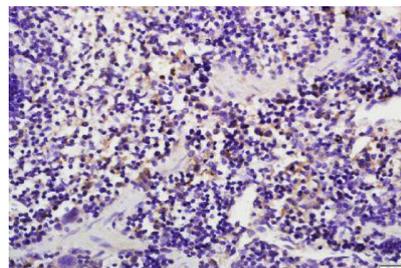
Caspase-1 p20 Polyclonal Antibody detects endogenous levels of Caspase-1 p20 protein.

### DATA:



Primary:

Anti-Caspase-1 p20 at 1/1000 dilution.



Tissue/cell: Mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37 °C for 20 min;

Incubation: Anti-Caspase-1 p20 Polyclonal Antibody, Unconjugated 1:500, overnight at 4 °C.

### Note:

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

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