

## Caspase-1 polyclonal antibody

Catalog: BS6068

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 results in transcript variants encoding distinct isoforms.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 50, 45, 35, 10 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 - 1:2000 | IHC, 1:50 - 1:200 | IF/ICC, 1:50 - 1:200

### Storage&Stability:

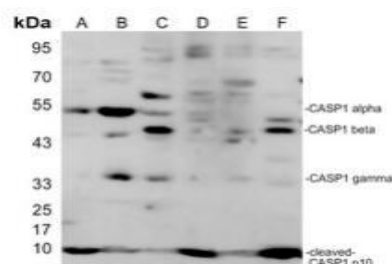
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

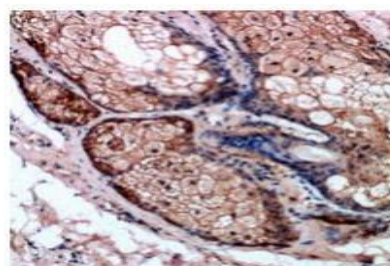
Caspase-1 Polyclonal Antibody detects endogenous levels

of Caspase-1 protein.

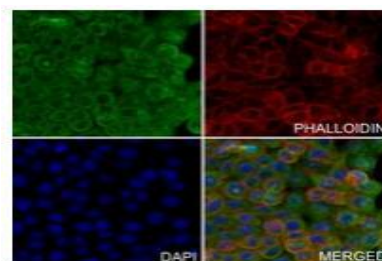
### DATA:



Western blot analysis of Caspase 1 expression in H1792 (A), MCF7 (B), Hela (C), mouse spleen (D), mouse lung (E), rat spleen (F) whole cell lysates.



Immunohistochemical analysis of Caspase 1 staining in human skin formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of Caspase 1 staining in MCF7 cells.

### Note:

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

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## PRODUCT DATA SHEET

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