Caspase-1 P10 Polyclonal Antibody

Catalog: BS65859 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:

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

Molecular Weight:

~10-55 kDa kDa

Swiss-Prot:

P29452

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

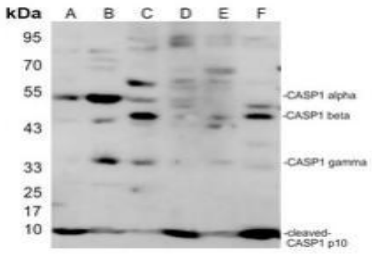
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -32℃ long term. Avoid freeze-thaw cycles.

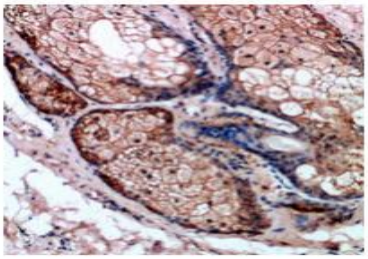
Specificity:

Recognizes 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.

Note:

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

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