

[KO Validated] Caspase-3 polyclonal antibody

Catalog: BS80062

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 two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.

Product:

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

Molecular Weight:

32KDa/17KDa

Swiss-Prot:

P42574

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:

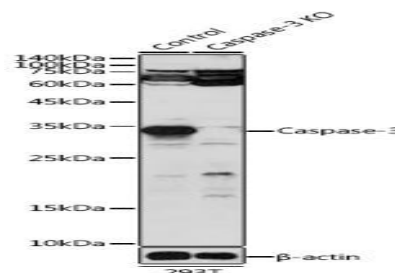
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

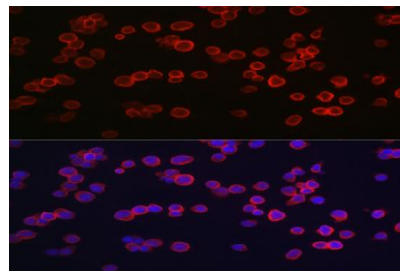
Unmodification

DATA:

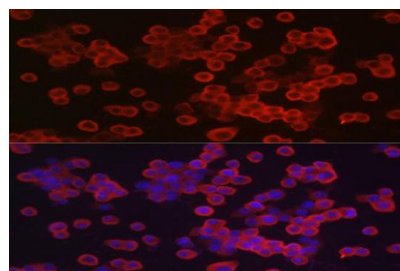
Western blot analysis of extracts of various cell lines, using Caspase-3 antibody at 1:1000 dilution. Jurkat cells were treated by staurosporine for 3 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Western blot analysis of extracts from normal and Caspase-3 knockout 293T cells, using Caspase-3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Immunofluorescence analysis of Jurkat cells using [KO Validated] Caspase-3 Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.



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PRODUCT DATA SHEET

Bioworld Technology, Inc.

Immunofluorescence analysis of RAW264.7 cells using [KO Validated]
Caspase-3 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear
staining.

Note:

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

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