

Caspase-3 p17 (D175) polyclonal antibody

Catalog: BS7073

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Caspase 3 (also known as CPP32, YAMA and apopain) is the most extensively studied apoptotic protein among caspase family members. Caspase 3 is synthesized as inactive pro enzyme that is processed in cells undergoing apoptosis by self proteolysis and/or cleavage by other upstream proteases (e.g. Caspases 8, 9 and 10). The processed form of Caspase 3 consists of large (17kD) and small (12kD) subunits which associate to form an active enzyme. Caspase 3 is cleaved at Asp28 - Ser29 and Asp175 - Ser176. The active Caspase 3 proteolytically cleaves and activates other caspases (e.g. Caspases 6, 7 and 9), as well as relevant targets in the cells (e.g. PARP and DFF).

Product:

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

Molecular Weight:

~ 17 kDa

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: 1:500~1:1000

Storage&Stability:

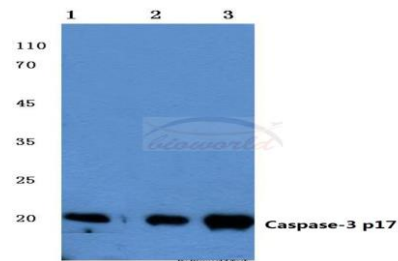
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Caspase-3 p17 (D175) polyclonal antibody detects endogenous levels of the large fragment (17 kDa) of activated caspase-3 resulting from cleavage adjacent to Asp175. This antibody does not recognize full length

caspase-3 or other cleaved caspases.

DATA:

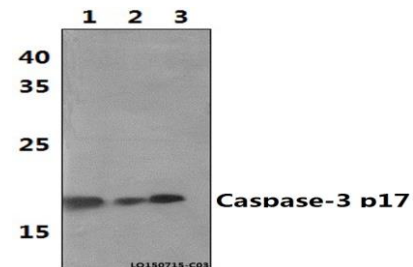


Western blot (WB) analysis of Caspase-3 p17 (D175) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with Lps

Lane2:Raw264.7 cell lysate treated with Lps

Lane3:PC12 cell lysate treated with Lps



Western blot (WB) analysis of Caspase-3 p17 (D175) pAb at 1:500 dilution

Lane1:HepG2 whole cell lysate(40ug)

Lane2:HepG2 treated with Etoposide (20ng/ml, 20h) whole cell lysate (40ug)

Lane3:HepG2 treated with Etoposide (20ng/ml, 20h, λ-ppase) whole cell lysate (40ug)

Note:

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

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