

Activated-Caspase-3 p17 polyclonal antibody

Catalog: BS7004

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:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 17, 35 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

IHC: 1:50~1:200

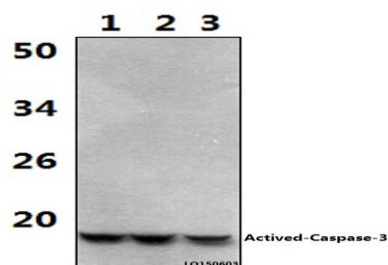
Storage&Stability:

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

Specificity:

Activated-Caspase-3 p17 polyclonal antibody detects endogenous levels of Activated-Caspase-3 p17 protein.

DATA:

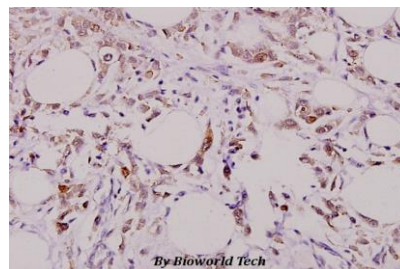


Western blot (WB) analysis of Activated-Caspase-3 p17 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:Hela treated with H2O2 (100nmol/ml, 25min, phostop) whole cell lysate (40ug)

Lane3:Hela treated with H2O2 (100nmol/ml, 25min, λ-ppase) whole cell lysate (40ug)



Immunohistochemistry (IHC) analyzes of Activated-Caspase-3 p17 pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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