

## Caspase-3 Rabbit monoclonal antibody

Catalog: BS9865M

Host: Rabbit

Reactivity: Human, 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:

~ 35 kDa

### Swiss-Prot:

P42574

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000-1:5000

ICC/IF: 1:50-1:100

IHC: 1:50-1:200

FC:1:20-1:50

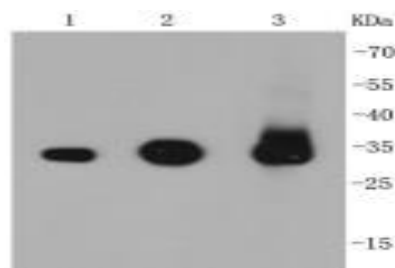
### Storage&Stability:

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

### Specificity:

This antibody detects endogenous levels of Caspase-3 and does not cross-react with related proteins.

### DATA:

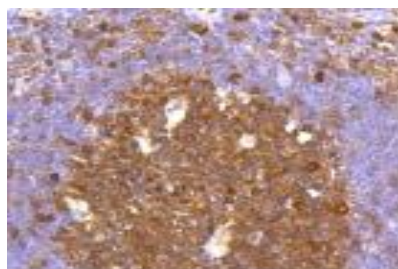


Western blot (WB) analysis of Caspase-3 Rabbit mAb at 1:1000 dilution

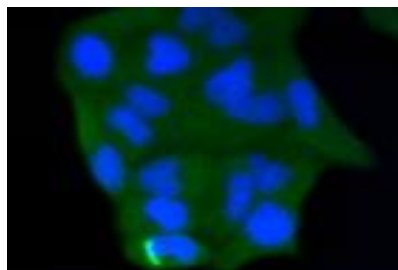
Lane1:Hela whole cell lysate

Lane2:Jurkat whole cell lysate

Lane3:293 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Caspase-3 antibody. Counter stained with hematoxylin.



ICC staining Caspase-3 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

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

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