Caspase 3 (phospho-S150) polyclonal antibody

Catalog: BS4301 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 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 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

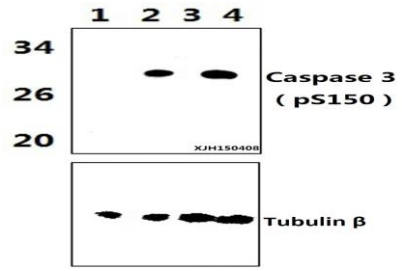
Storage&Stability:

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

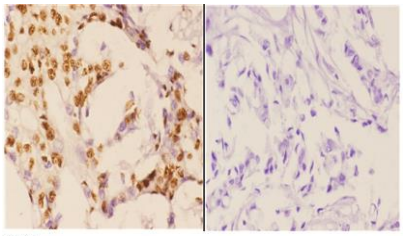
Specificity:

p-Caspase 3 (S150) polyclonal antibody detects endogenous levels of Caspase 3 protein only when phosphorylated at Ser150.

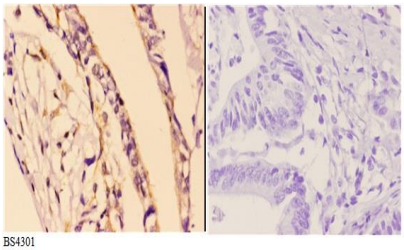
DATA:



Western blot (WB) analysis of Caspase 3 (phospho-S150) polyclonal antibody at 1:1000 dilution Lane1:HEK293T whole cell lysate Lane2:HEK293T treated with UV (72h) whole cell lysate Lane3:HELA whole cell lysate Lane4:HELA treated with UV (72h) whole cell lysate



Immunohistochemistry (IHC) analyzes of p-Caspase 3 (S150) pAb in paraffin-embedded human breast carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of p-Caspase 3 (S150) pAb in paraffin-embedded human colon carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit

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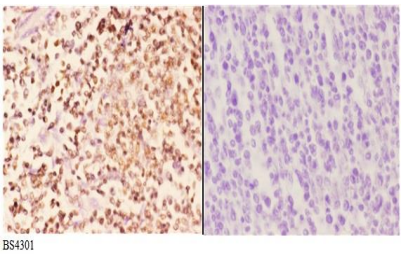
IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of p-Caspase 3 (S150) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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