

Caspase 3 precursor Polyclonal Antibody

Catalog: BS65606

Host: Rabbit

Reactivity: Human, Mouse, Rat, (predicted: Dog, Rabbit,)

BackGround:

Caspases are a family of cysteine proteases that are key mediators of programmed cell death or apoptosis. The precursor form of all caspases is composed of a pro-domain, and large and small catalytic subunits. The active forms of caspases are generated by several stimuli including ligand-receptor interactions, growth factor deprivation and inhibitors of cellular functions. All known caspases require cleavage adjacent to aspartates to liberate one large and one small subunit, which associate into a2b2 tetramer to form the active enzyme. Gene for Caspase 3 also known as Yama, CPP32, and apopain codes for a 32-kDa protein. Caspase 3 cleaves the death substrate poly(ADP-ribose) polymerase (PARP) to a specific 85 kDa form observed during apoptosis and is inhibitable by the CrmA protein. Other Caspase 3 substrates include DNA-PK, actin, GAS2, and procaspase-6, etc. Caspase 3 is activated by cleavage events at Asp-28/Ser-29 (between N-terminal pro-domain) and Asp-175/Ser-176 (between large and small subunits) to generate a large subunit of 17-kDa and a small subunit of 12-kDa.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

28kD

Swiss-Prot:

P55213

Purification&Purity:

affinity purified by Protein A

Applications:

WB=1:500-2000 IHC-P=1:100-500

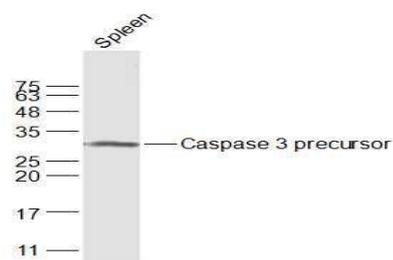
Storage&Stability:

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

Specificity:

Caspase 3 Polyclonal Antibody detects endogenous levels of Caspase 3 protein.

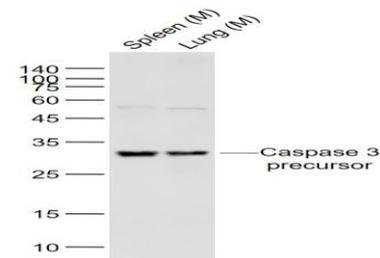
DATA:



Sample:

Spleen (Mouse) Lysate at 40 ug

Primary: Anti-Caspase 3 precursor at 1/1000 dilution



Sample:

Lane 1: Spleen (Mouse) Lysate at 40 ug

Lane 2: Lung (Mouse) Lysate at 40 ug

Primary: Anti-Caspase 3 precursor at 1/1000 dilution

Note:

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

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