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## 39-2098: Anti-Caspase-3 Polyclonal Antibody

Clonality: Polyclonal

Application: WB Reactivity: Human Gene: CASP3 Gene ID: 836 **Uniprot ID:** P42574

Caspase-3; CASP-3; 3.4.22.56; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP **Alternative Name:** 

cleavage activity 1; SCA-1; Caspase-3 subunit p17; Caspase-3 subunit p12; CASP3; CPP32

Isotype: Rabbit IgG

## **Description**

Caspase 3 is a caspase protein which interacts with Survivin, XIAP, CFLAR, Caspase 8, HCLS1, Deleted in Colorectal Cancer, TRAF3 and GroEL. This gene which is located at 4g35 encodes a protein that is a member of the cysteine-aspartic acid protease(caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes that undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7, and 9; and the protein itself is processed by caspases 8, 9, and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease.

## **Product Info**

Amount: 100 μg/vial

**Purification:** Immunogen affinity purified.

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. Content:

Reconstitute: Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and Storage condition:

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot: 0.1-0.5µg/ml

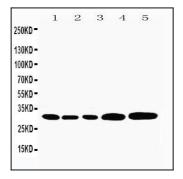


Figure 1: Anti-Caspase-3 antibody(39-2098). Western blotting: Lane 1: Rat Liver Tissue Lysate, Lane 2: Rat Thymus Tissue Lysate, Lane 3: Rat Spleen Tissue Lysate, Lane 4: HEPA Cell Lysate, Lane 5: NEURO Cell Lysate.



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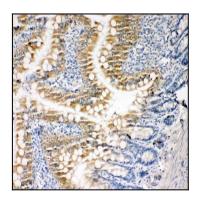


Figure 2: Anti-Caspase-3 antibody(39-2098). IHC(P): Rat Intestine Tissue.