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CASP3
Rabbit Anti-Human Caspase-3 Affinity Purified pAb

Catalog No.	CPC115	**Quantity:**	100 µg

Alternate Names: Caspase-3, CASP-3, Apopain, Cysteine protease CPP32, CPP-32, Protein Yama, SREBP cleavage activity 1, SCA-1

Description Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Caspase 3 is synthesized as an inactive pro-enzyme (32 kDa) that is processed in cells undergoing apoptosis by self-proteolysis and/or cleavage by another upstream protease. The processed form of caspase 3 consists of large (17 kD) and small (12 kD) subunits which associate to form an active enzyme. The active caspase 3 proteolytically cleaves and activates other caspases, as well as relevant targets in the cells (e.g., PARP and DFF).
This affinity purified antibody was prepared from rabbits immunized with a synthetic peptide corresponding to the C-terminus of caspase-3 large fragment and recognizes the proform and cleaved large fragment of caspase-3 to provide a tool for identifying apoptotic cell populations in both tissue sections and cultured cells.

UniProt ID: P42574

Gene ID: 836

Concentration: 0.2 mg/ml

Specificity: Detects proform and the cleaved large fragment of caspase 3.

Host: Rabbit

Immunogen: Synthetic peptide corresponding to the C-terminus of human caspase 3 large fragment

Formulation: PBS, pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA, 0.03% Proclin.

Purification: Biospecific affinity chromatography

Cross-Reactivity: Reacts with human, mouse, and rat.

Applications: Western Blot

Application Notes: For Western Blot, use a working dilution of 0.5-4 µg/ml.
Blocking Peptide (Cat. No. CPC115BP) is available separately.
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store in working aliquots at -20°C to -80°C for up to 1 year.
Avoid repeated freeze-thaw cycles.

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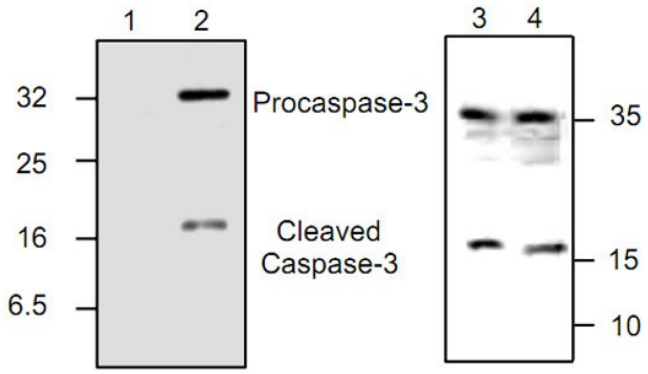
Western blot analysis of human Caspase 3 with (Lane 1) and without (Lane 2) blocking peptide.



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