Anti-Caspase 3 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R013423

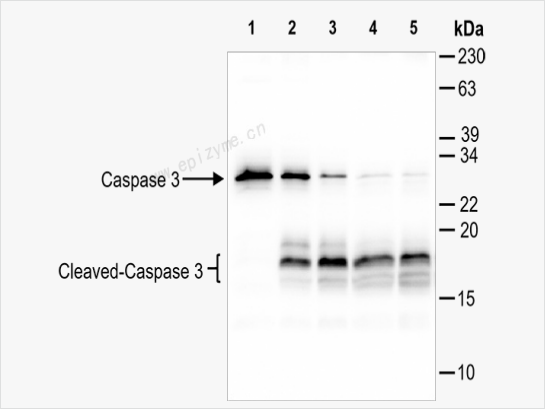
Product Information

Application	IHC-P/IF (Tissue-P), ICC/IF (Cell), IP, ELISA, WB, IHC-F/IF (Tissue-F)
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	99L80L71
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Caspase-3
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Caspase 3 antibody [99L80L71] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CASP3, CPP32, Caspase-3, CASP-3, Apopain, Cysteine protease CPP32, CPP-32, Protein Yama, SREBP cleavage activity 1, SCA-1.
Calculated MW	Calculated MW: 17, 32 kDa; Observed MW: 17, 32 kDa
Uniprot ID	P42574
Gene ID	836
Background	Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme.

Validation Images



Western Blot - Anti-Caspase 3 Rabbit mAb [99L80L71]
All lanes: R013423 at 1:1,000 dilution
Lane 1: Jurkat (Human T-cell leukemia cell) whole cell lysates
Lane 2: Jurkat treated with 1 µM Staurosporine for 1 h whole cell lysates
Lane 3: Jurkat treated with 1 µM Staurosporine for 2 h whole cell lysates
Lane 4: Jurkat treated with 1 µM Staurosporine for 3 h whole cell lysates
Lane 5: Jurkat treated with 1 µM Staurosporine for 4 h whole cell lysates
Lysates/proteins at 20 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 32, 17 kDa
Observed band size: 32, 17 kDa
Developed using the ECL technique (Cat. No. SQ201).