

Anti-Caspase 3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

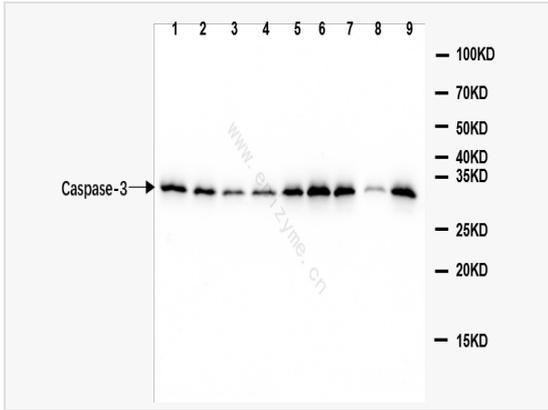
Catalog # R013730

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	31F24G67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Histone H2A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
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 Rabbit mAb [31F24G67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Apopain precursor, CASP-3, CPP-32, CPP32, Caspase-3, Cysteine protease CPP32, ICE3, SCA-1, SREBP cleavage activity 1.
Calculated MW	Calculated MW: 17 kDa, 32 kDa; Observed MW: 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.
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in lung, spleen, heart, liver and kidney. Moderate levels in brain and skeletal muscle, and low in testis. Also found in many cell lines, highest expression in cells of the immune system.



Western Blot - Anti-Caspase 3 Rabbit mAb [31F24G67]

All lanes: R013730 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: 293T (human embryonic kidney cell) whole cell lysates

Lane 3: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 4: A549 (human non-small cell lung cancer epithelial cell) whole cell lysates

Lane 5: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 7: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 8: U2OS (human osteosarcoma epithelial cell) whole cell lysates

Lane 9: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

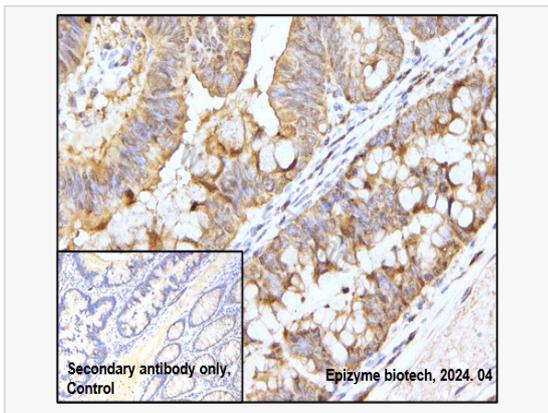
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 32 kDa

Observed band size: 32 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Caspase 3 Rabbit mAb [31F24G67]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013730 at 1:200 dilution

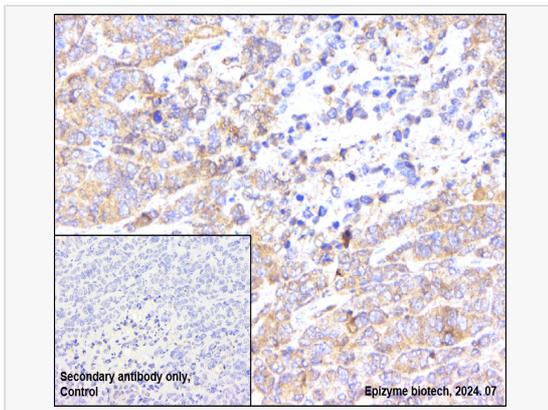
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Caspase 3 Rabbit mAb [31F24G67]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013730 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.