Anti-Caspase 3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R012092

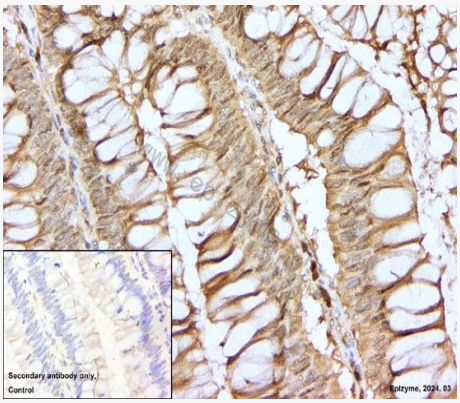
Product Information

Application	WB, ELISA, IHC-P/IF (Tissue-P)
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.	32M89K63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Caspase 3
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 antibody [32M89K63] is for research use only and not for use in diagnostic or therapeutic procedures.

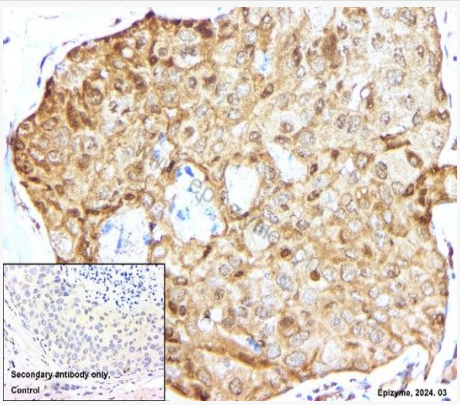
Protein Information

Synonyms	CASP3, CPP32, Caspase-3, CASP-3, Apopain, Cysteine protease CPP32, CPP-32, Protein Yama, SREBP cleavage activity 1, SCA-1.
Calculated MW	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.

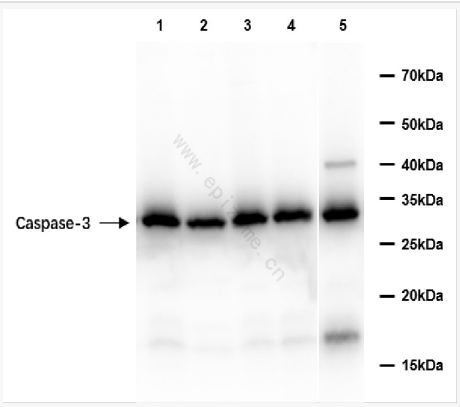
Validation Images



Immunohistochemistry - Anti-Caspase 3 Rabbit mAb [32M89K63]
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: R012092 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 [32M89K63]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012092 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.



Western Blot - Anti-Caspase 3 Rabbit mAb [32M89K63]
All lanes: R012092 at 1:1,000 dilution
Lane 1: T24 (human bladder cancer epithelial cell) whole cell lysates
Lane 2: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5: Jurkat (human T lymphocytic leukemia 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).