

Anti-active Caspase-3 CASP3 Rabbit Monoclonal Antibody

Catalog Number: M00334-3

About CASP3

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

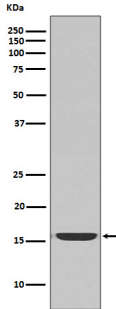
Product Name	Anti-active Caspase-3 CASP3 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-active Caspase-3 CASP3 Rabbit Monoclonal Antibody catalog # M00334-3. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal HE-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42574

Technical Details

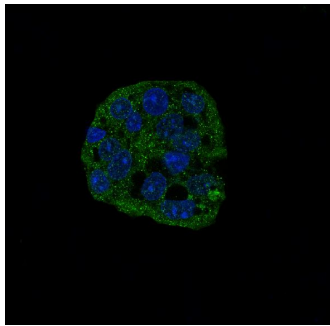
Immunogen	A synthesized peptide derived from human active Caspase-3
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:100 ICC/IF 1:50-1:100
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Anti-active Caspase-3 CASP3 Rabbit Monoclonal Antibody (M00334-3) Images



Western blot analysis of active Caspase-3 expression in Jurkat cell lysate treated with Camptothecin.



Immunofluorescent analysis of HepG2 cells, using active Caspase-3 Antibody .

18 Publications Citing This Product

1. PubMed ID: 33382670, Chen H, Sheng H, Zhao Y, Zhu G. Piperine Inhibits Cell Proliferation and Induces Apoptosis of Human Gastric Cancer Cells by Downregulating Phosphatidylinositol 3-Kinase (PI3K)/Akt Pathway. Med Sci Monit. 2020 Dec 31;26:e928403. doi:10.12659/MSM.928403. PMID:33382
2. PubMed ID: 33281970, Wang P, Wang C, Liu C. Antitumor effects of dioscin in A431 cells via adjusting ATM/p53-mediated cell apoptosis, DNA damage and migration. Oncol Lett. 2021 Jan;21(1):59. doi:10.3892/ol.2020.12321. Epub 2020 Nov 19. PMID:33281970; PMCID:PMC7709553.
3. PubMed ID: 22848278, Chu Sh, Ma Yb, Feng Df, Zhang H, Qiu Jh, Zhu Za. Oncol Lett. 2011 Nov;2(6):1139-1142. Epub 2011 Aug 4. Elevated Expression Of Solute Carrier Family 22 Member 18 Increases The Sensitivity Of U251 Glioma Cells To Bcnu.

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