

## Anti-Caspase-3 CASP3 Rabbit Monoclonal Antibody

Catalog Number: M00334-5

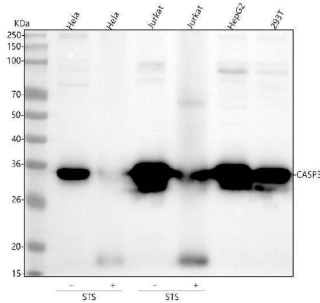
### Overview

Product Name	Anti-Caspase-3 CASP3 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Caspase-3 CASP3 Rabbit Monoclonal Antibody catalog # M00334-5. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal AOE-3
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

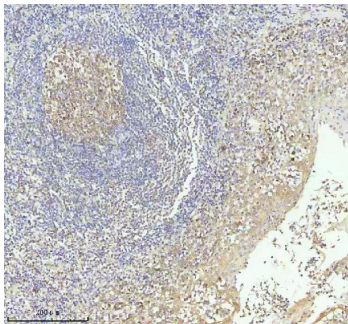
### Technical Details

Immunogen	A synthesized peptide derived from human Caspase-3
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50 FC 1:50

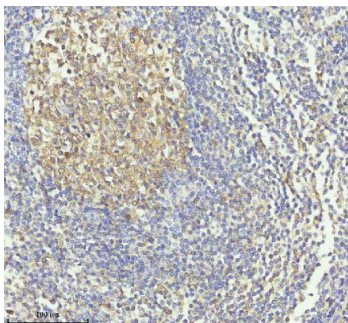
## Anti-Caspase-3 CASP3 Rabbit Monoclonal Antibody (M00334-5) Images



Western blot analysis of Caspase-3 using anti-Caspase-3 antibody (M00334-5). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human Jurkat whole cell lysates, Lane 5: human HepG2 whole cell lysates, Lane 6: human 293T whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Caspase-3 antigen affinity purified monoclonal antibody (Catalog # M00334-5) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Caspase-3 at approximately 32 kDa. The expected band size for Caspase-3 is at 32 kDa.

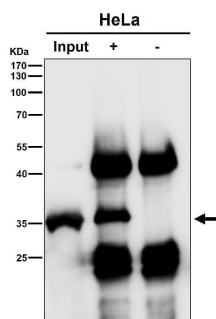
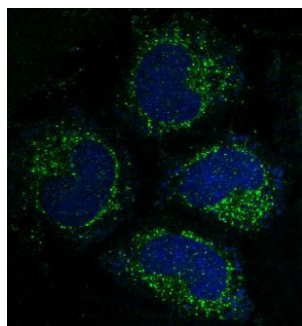


IHC analysis of CASP3 using anti-CASP3 antibody (M00334-5). CASP3 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-CASP3 Antibody (M00334-5) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of CASP3 using anti-CASP3 antibody (M00334-5). CASP3 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-CASP3 Antibody (M00334-5) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Immunofluorescent analysis of Hela cells, using Caspase-3 Antibody .



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:3K dilution)

## 46 Publications Citing This Product

1. PubMed ID: -, Ahmed S. Ahmed, JAK-1/STAT-3 pathway mediated role in aging cerebellar cortex degenerative changes of albino wistar rats, *Translational Research in Anatomy*, 2020, 100089, ISSN 2214-854X, <https://doi.org/10.1016/j.tria.2020.100089>.
2. PubMed ID: -, Gang Li, Jing Zhou, Mengyu Sun, Juren Cen, Jing Xu, Role of luteolin extracted from *Clerodendrum cyrtophyllum* Turcz leaves in protecting HepG2 cells from TBHP-induced oxidative stress and its cytotoxicity, genotoxicity, *Journal of Functional Foods*, Volume 74, 2
3. PubMed ID: 33044585, Yu Y, Wang Y, Fei X, Song Z, Xie F, Yang F, Liu X, Xu Z, Wang G. All-Trans Retinoic Acid Prevented Vein Grafts Stenosis by Inhibiting Rb-E2F Mediated Cell Cycle Progression and KLF5-RARalpha Interaction in Human Vein Smooth Muscle Cells. *Cardiovasc Drugs Ther.* 2020 Oct

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