

## Anti-Caspase-1 CASP1 Rabbit Monoclonal Antibody

Catalog Number: M00048

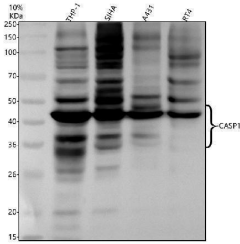
### Overview

Product Name	Anti-Caspase-1 CASP1 Rabbit Monoclonal Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-Caspase-1 CASP1 Rabbit Monoclonal Antibody catalog # M00048. Tested in WB, IHC applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Monoclonal DCB-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	P29466

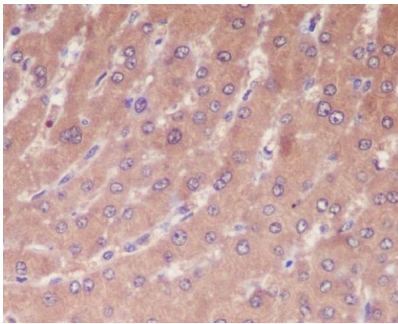
### Technical Details

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

## Anti-Caspase-1 CASP1 Rabbit Monoclonal Antibody (M00048) Images



Western blot analysis of Caspase 1/CASP1 using anti-Caspase 1/CASP1 antibody (M00048). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human SIHA whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human RT4 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 1/CASP1 antigen affinity purified monoclonal antibody (M00048) 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Caspase 1/CASP1 at approximately 35-48 kDa. The expected band size for Caspase 1/CASP1 is at 45 kDa.



Immunohistochemical analysis of paraffin-embedded human liver, using Caspase-1 Antibody.

## 3 Publications Citing This Product

1. PubMed ID: 33549657, Zhang XL, Huang WM, Tang PC, Sun Y, Zhang X, Qiu L, Yu BC, Zhang XY, Hong YX, He Y, Ge XQ. Anti-inflammatory and neuroprotective effects of natural cordycepin in rotenone-induced PD models through inhibiting Drp1-mediated mitochondrial fission. *Neurotoxicology*. 2021 F
2. PubMed ID: 32758603, Yang R, Li Y, Mehmood S, Yan C, Huang Y, Cai J, Ji J, Pan W, Zhang W, Chen Y. Polysaccharides from *Armillariella tabescens* mycelia ameliorate renal damage in type 2 diabetic mice. *Int J Biol Macromol*. 2020 Nov 1;162:1682-1691. doi:10.1016/j.ijbiomac.2020.08.006. Epub
3. PubMed ID: 32952148, Fan X, Ma W, Zhang Y, Zhang L. P2X7 Receptor (P2X7R) of Microglia Mediates Neuroinflammation by Regulating (NOD)-Like Receptor Protein 3 (NLRP3) Inflammasome-Dependent Inflammation After Spinal Cord Injury. *Med Sci Monit*. 2020 Sep 21;26:e925491. doi:10.12659/MS

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