

Anti-Caspase-9 CASP9 Rabbit Monoclonal Antibody

Catalog Number: M00080-3

About CASP9

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-Caspase-9 CASP9 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Caspase-9 CASP9 Rabbit Monoclonal Antibody catalog # M00080-3. Tested in WB, IHC, ICC/IF, Flow Cytometry, IP applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal AOC-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	P55211

Technical Details

Immunogen	A synthesized peptide derived from human Caspase-9
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

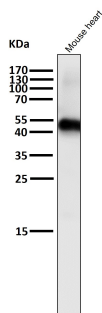
IHC 1:50-1:200

ICC/IF 1:50-1:200

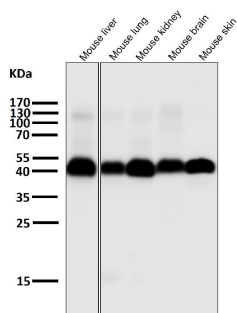
IP 1:50

FC 1:50

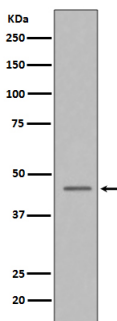
Anti-Caspase-9 CASP9 Rabbit Monoclonal Antibody (M00080-3) Images



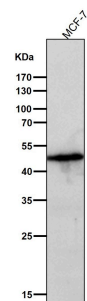
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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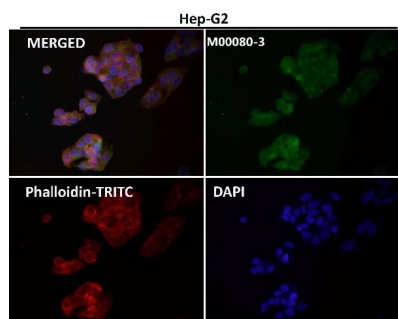
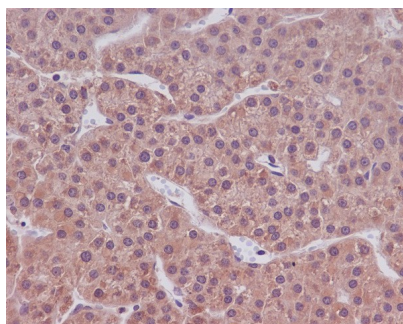


Western blot analysis of Caspase-9 in HeLa cell lysate treated with Camptothecin.

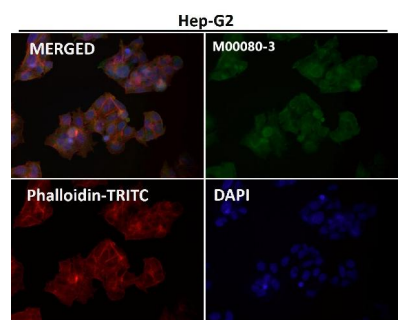


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

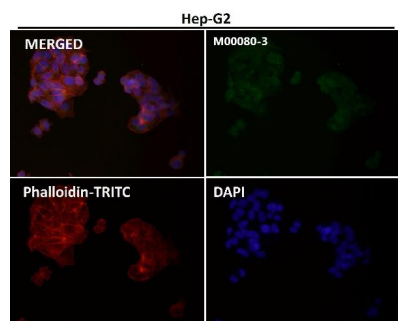
Immunohistochemical analysis of paraffin-embedded human liver cancer, using Caspase-9 Antibody.



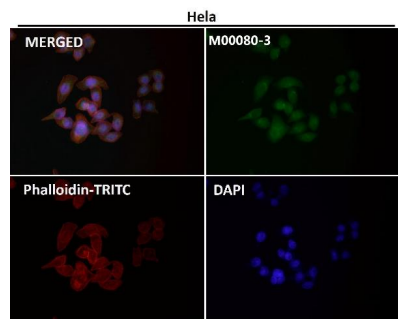
Immunofluorescent analysis using the Antibody at 1:50 dilution.



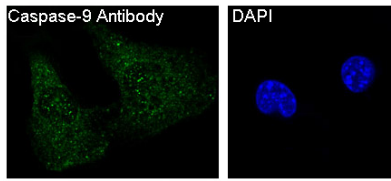
Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis of 3T3 cells, using Caspase-9 Antibody.

3 Publications Citing This Product

1. PubMed ID: 24137393, Chang C, Liu Sp, Fang Ch, He Rs, Wang Z, Zhu Yq, Jiang Sw. Oncol Lett. 2013 Sep;6(3):699-704. Epub 2013 Jul 8. Effects Of Matrine On The Proliferation Of Ht29 Human Colon Cancer Cells And Its Antitumor Mechanism.
2. PubMed ID: 25024681, In vivo?and?in vitro?evaluation of the cytotoxic effects of Photosan-loaded hollow silica nanoparticles on liver cancer
3. PubMed ID: 27915342, In Vitro Effects of HAS-2 Gene Silencing on the Proliferation and Apoptosis of the MCF-7 Human Breast Cancer Cell Line

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