

Anti-cleaved Caspase-9 CASP9 Rabbit Monoclonal Antibody

Catalog Number: M00080-2

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

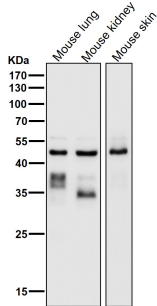
Product Name	Anti-cleaved Caspase-9 CASP9 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-cleaved Caspase-9 CASP9 Rabbit Monoclonal Antibody catalog # M00080-2. Tested in WB, IP applications. This antibody reacts with Human, Mouse.
Application	IP, WB
Clonality	Monoclonal FEE-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

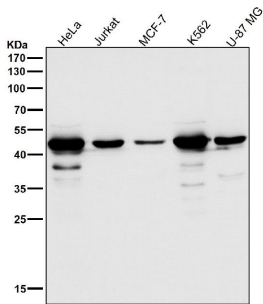
Immunogen	A synthesized peptide derived from human cleaved Caspase-9
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected 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
IP 1:50

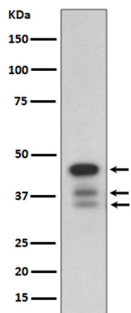
Anti-cleaved Caspase-9 CASP9 Rabbit Monoclonal Antibody (M00080-2) Images



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



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Western blot analysis of cleaved Caspase-9 Antibody expression in HeLa cell lysate treated with staurosporine.

6 Publications Citing This Product

1. PubMed ID: -, Xuening Pang,Xiang Gao,Feng Liu,Yuhuan Jiang,Mingji Wang,Qun Li,Zichao Li,Xanthoangelol modulates Caspase-1-dependent pyroptotic death among hepatocellular carcinoma cells with high expression of GSDMD,Journal of Functional Foods,Volume 84,2021,104577,ISSN 1756-4646,https://doi.org/10.1016/j.jff.2021.104577.
2. PubMed ID: 33654381, Xu Y,Chen W,Chen Z,Huang M,Yang F,Zhang Y.Mechanism of Action of Xiaoyao San in Treatment of Ischemic Stroke is Related to Anti-Apoptosis and Activation of PI3K/Akt Pathway,Drug Des Devel Ther.2021 Feb 22;15:753-767.doi:10.2147/DDDT.S280217.PMID:33654381;
3. PubMed ID: 24798292, Dai C, Li J, Tang S, Li J, Xiao X. Antimicrob Agents Chemother. 2014 Jul;58(7):4075-85. Doi: 10.1128/Aac.00070-14. Epub 2014 May 5. Colistin-Induced Nephrotoxicity In Mice Involves The Mitochondrial, Death Receptor, And Endoplasmic Reticulum Pathw...

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