

Anti-Caspase-2/CASP2 Antibody

Catalog Number: PA1113

About CASP2

Caspase-2, which is involved in stress-induced apoptosis, is recruited into a large protein complex, the molecular composition of which remains elusive. activation of caspase-2 occurs in a complex that contains the death domain-containing protein PIDD, whose expression is induced by p53, and the adaptor protein RAIDD. Increased PIDD expression resulted in spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli. Caspase-2 acts both as a positive and negative cell death effector, depending upon cell lineage and stage of development.

Overview

Product Name	Anti-Caspase-2/CASP2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Caspase-2/CASP2 Antibody catalog # PA1113. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42575

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-2, identical to the related rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Caspase-2/CASP2 Antibody (PA1113) Images



Anti-Caspase-2 antibody, PA1113, Western blotting
Lane 1: CEM Cell Lysate
Lane 2: SMMC Cell Lysate

27 Publications Citing This Product

1. PubMed ID: 25344274, Huang C, Lin Y, Su H, Ye D. Neurochem Res. 2015 Jan;40(1):27-35. Doi: 10.1007/S11064-014-1461-5. Epub 2014 Oct 25. Forsythiaside Protects Against Hydrogen Peroxide-Induced Oxidative Stress And Apoptosis In Pc12 Cell.
2. PubMed ID: 25672487, Zhan W, Hu X, Yi J, An Q, Huang X. Mol Med Rep. 2015 Jun;11(6):4142-8. Doi: 10.3892/Mmr.2015.3326. Epub 2015 Feb 10. Inhibitory Activity Of Apogossypol In Human Prostate Cancer In Vitro And In Vivo.
3. PubMed ID: 24700345, Zhao B, Li X. Oncol Rep. 2014 Jun;31(6):2769-75. Doi: 10.3892/Or.2014.3126. Epub 2014 Apr 3. Altholactone Induces Reactive Oxygen Species-Mediated Apoptosis In Bladder Cancer T24 Cells Through Mitochondrial Dysfunction, Mapk-P38 Activation And Akt...

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