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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-FADD Antibody

Catalog Number: PA1464

About FADD

FADD, Fas-Associated protein with Death Domain, is a universal adaptor protein in apoptosis that mediates signaling of all known death domain-containing members of the TNF receptor superfamily. The FADD gene contains 2 exons and spans approximately 3.6 kb. By analysis of somatic cell hybrid panels and by fluorescence in situ hybridization, the FADD gene is mapped to 11q13.3. The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, thus, it participates in the death signaling initiated by these receptors.

Overview

Product Name	Anti-FADD Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FADD Antibody catalog # PA1464. 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 Na2HPO4, 0.05mg Thimerosal, 0.01mg NaN3.
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	Q13158

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FADD.
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

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Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
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: Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-FADD Antibody (PA1464) Images

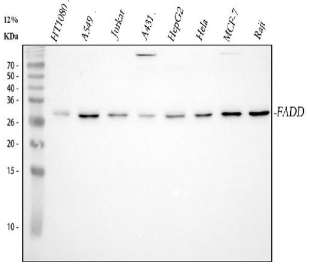

Figure 1. Western blot analysis of FADD using anti-FADD antibody (PA1464).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HT1080 whole cell lysates,
Lane 2: human A549 whole cell lysates,
Lane 3: human Jurkat whole cell lysates,
Lane 4: human A431 whole cell lysates,
Lane 5: human HepG2 whole cell lysates,
Lane 6: human Hela whole cell lysates,
Lane 7: human MCF-7 whole cell lysates,
Lane 8: human Raji 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-FADD antigen affinity purified polyclonal antibody (Catalog # PA1464) at 0.5 ug/mL 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for FADD at approximately 28 kDa. The expected band size for FADD is at 23 kDa.

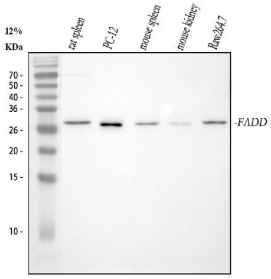

Figure 2. Western blot analysis of FADD using anti-FADD antibody (PA1464).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat spleen tissue lysates,
Lane 2: rat PC-12 whole cell lysates,
Lane 3: mouse spleen tissue lysates,
Lane 4: mouse kidney tissue lysates,
Lane 5: mouse RAW264.7 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-FADD antigen affinity purified polyclonal antibody (Catalog # PA1464) at 0.5 ug/mL 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for FADD at approximately 28 kDa. The expected band size for FADD is at 23 kDa.

1 Publications Citing This Product

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1. PubMed ID: 10.1016/j.biopha.2018.09.024, Scutellarein selectively targets multiple myeloma cells by increasing mitochondrial superoxide production and activating intrinsic apoptosis pathway

Visit bosterbio.com/anti-fadd-antibody-pa1464-boster.html to see all 1 publications.

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